# 1990 Documents
# IEEE Neural Networks Council

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The IEEE Neural Networks Council became the IEEE Computational Intelligence Society

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1990 IEEE Neural Networks Council Document
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EXP: N T C

# NTC

PUBLIC RELATIONS CONSULTANTS

## INNC 90 PARIS

A / TO: Prf. L. MARKS

FAX: 19.1.206.543.3842

SOCIETE / COMPANY: Unwersity of WASHINGTON Dept of El. ENG.

DE / FROM: Nina THELLER, NTC

OBJET / SUBJECT: INNC 90. PARIS

DATE: January 19, 1990

**Nombre de pages, y compris page de garde:** 1.

**Total number of pages, including covering letter:** .....

**NOTRE NUMERO DE FAX / OUR FAX NUMBER: (33.1) 45.25.24.22.**

Dear Professor.

Could you please resend your fax.
I only received cover sheet.

Sincerely yours

**IMPORTANT**

**Si vous ne recevez pas toutes les pages, veuillez nous appeler au:**
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1-17-90

Robert J. Marks II, President
*IEEE Neural Networks Council*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Ms. Nina Thellier, N.T.C.
INNC-90-Paris
19, rue de la Tour
75116 Paris, France
(33-1) 45 25 65 65, FAX: (33-1) 45 25 24 22

Dear Ms. Thellier:

I am delighted to inform you that the AdCom of IEEE Neural Networks Council (NNC) has agreed to cooperate with the International Neural Network Conference (INNC), July 9-13, 1990 in Paris. Russ Eberhart, NNC Vice-President, has physically given an IEEE conference information packet to Dr. Bernard Angeniol at the January 1990 IJCNN in Washington D.C. You will find the information therein useful.

IEEE has specific requirements regarding involvement with conferences. Publicity in regard to the NNC's involvement with the INNC should read *in cooperation with the IEEE Neural Networks Council*.

Also, we are concerned about the involvement of commercial enterprises in the publicity and execution of the conference. IEEE policies, in this regard, must be adhered to. This includes, but is not limited to, the display of no business logos on conference literature. A superb resource at IEEE in such policy matters is

Laura Jobmann, IEEE Conference Services
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
201-562-3873

I request that all conference material bearing the IEEE logo or name be approved by her office.

The IEEE NNC is delighted to be a cooperating society for the INNC. We wish you the very best in a successful conference.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Laura Jobmann, IEEE
Bernard Widrow, INNS

THERE IS A SINGLE PAGE IN THIS FAX TRANSMISSION

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# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Ms Nina Kheller

Name of Firm: INNC Paris

Location of Firm: France

Facsimile Telephone Number: 33-1-45256565

From: Prof Robt Marks Phone: (206) 543-6990

Charge Dept/Acct. 06-1030

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Department of Electrical Engineering FAX # (206) 543-3842

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# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Dr. Bernard Widrow

Name of Firm: Stanford

Location of Firm: CA

Facsimile Telephone Number: (415) 723-8473

From: Marks Phone: 543-6990

Charge Dept./Acct. 06-1030

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Department of Electrical Engineering FAX # (206) 543-3842

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## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Laura Johnann

Name of Firm: IEEE

Location of Firm: NY

Facsimile Telephone Number: (201) 981-0027

From: Marks Phone: 543-6990

Charge Dept./Acct. 06-1030

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Department of Electrical Engineering FAX # (206) 543-3842

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## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Maureen Caudill

Name of Firm: _____

Location of Firm: San Diego

Facsimile Telephone Number: (619) 487-6924

From: Marks Phone: 543-6990

Charge Dept./Acct. 06-1030

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Department of Electrical Engineering FAX # (206) 543-3842

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NEURAL NETWORKS

1-21-90

Robert J. Marks II, President
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(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Dr. Bernard Widrow, President
*International Neural Network Society*
Department of Electrical Engineering
Durand 139, Stanford University
Stanford, CA 94305-4055
FAX (415) 723-8473

Dear Bernie:

Per our discussion at the D.C. IJCNN, I request that you immediately FAX a copy of the ongoing Omni contract to me and Laura Jobmann at IEEE (FAX number below). I feel that we must investigate a way that the Omni Shoreham *not* host the 1992 IJCNN. Maureen Caudill, who coordinated the conference, heartily concurs.

Although I am not a lawyer, it seems to me that one or more of the following facts can be used to meet this goal:

- The service of the Shoreham at the January 1990 meeting was nothing short of *terrible*. There will be no problem substantiating this if need be. Mareen would be the resource person here. I have a few bad service stories myself to share.
- The 1992 IJCNN will be the only IJCNN held in North America. In 1990, there will be two. The January 1990 conference, I understand, drew about 1300 registrants. The 1992 summer conference, I suspect, will draw close to 2500. The Omni, I believe, is much to small to hold a convention of this magnitude.
- The 1992 IJCNN is two and a half years from now.

Since the 1992 IJCNN will be hosted by the IEEE Neural Network Council as lead society, I would hope that we could hold the conference in a superior facility. I request we investigate all avenues of escape prior to signing with the Omni.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Laura Jobmann, IEEE Conference Services,FAX (201) 981-0027
Maureen Caudill, FAX: (619) 487-6924
Robert W. Newcomb, IOC

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1-17-90

H. Troy Nagle, Vice President-Technical Activities
IEEE TAB
Elec. and Computer Engineering
North Carolina State University
Box 7911
Raleigh, NC 27695

Dear Troy,

The Constitution of the *Neural Networks Council* (NNC) allows for induction of new Society members upon approval of both the Council AdCom and TAB. At the NNC AdCom in Washington D.C. in January, unanimous approval for membership of the *Oceanic Engineering Society* and the *Industry Applications Society* was given. I request that TAB consider a motion approving membership of both of these Societies in the Council.

Application letters from the Presidents of both Societies are attached.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: D.L. Alspach, President, *Oceanic Engineering Society*
Eugene J. Fagan, President, *Industry Applications Society*
Irv Engelson, IEEE
Evangelia Tzanakou, NNC Secretary


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INDUSTRY APPLICATIONS SOCIETY

Eugene J. Fagan
PRESIDENT

December 31, 1989

PLEASE REPLY TO:
E. I. du Pont de Nemours & Company
Engineering Department
P.O. Box 6090
Newark, DE 19714-6090 USA
(302) 366-2884

Mr. Robert J. Marks, II
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Mr. Marks:

Thank you for your letter of December 7 explaining the status of our request for membership to the Council on Neural Networks. When I voted for establishment of the Council in Tarpon Springs, Florida, I was aware of your statement that membership by Industrial Applications Society was pending. I assumed that approval of our request would be handled in a routine manner. After reading your letter, however, the process appears quite complicated. It almost seems that I would have been better advised to vote "no" on your request so long as Industry Applications Society was excluded.

Let me summarize our position. The Executive Board of the Industry Applications Society has voted to join the Council on Neural Networks. Our representatives are Drs. Nutter and Cook. I will ask them to attend your AdCom meeting at 6:30 pm on January 16, 1990, if their schedules permit. If their schedules do not permit, I trust that you will consider our application anyway.

Very truly yours,

Eugene J. Fagan

Eugene J. Fagan
Society President

EJF/lc
IEEE5:18

cc: Dr. M. Dayne Aldridge-Auburn University, School of Engineering, 108 Ramsey Hall, Auburn University, AL 36849-3501, 205-844-4333

Dr. Roy S. Nutter, Jr., West Virginia University, 821 Electrical Engineering, P.O. Box 6101, Morgantown, WV 26506, 304-293-6375

Dr. George E. Cook, Vanderbilt University, P.O. Box 2215 Station B, Nashville, TN 37235, 615-322-2259



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OCEANIC ENGINEERING SOCIETY

OES

Dr. Daniel L. Alspach
President

PLEASE REPLY TO:
ORINCON Corporation
9363 Towne Centre Drive
San Diego, CA 92121 USA
(619) 455-5530 Ext. 204

December 13, 1989

Dr. Robert J. Marks II
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Bob:

Per our discussions, I understand that the IEEE Oceanic Engineering Society's request for membership on the Neural Networks Committee is inadequate because the Committee has recently been authorized to be changed to a Council. IEEE Oceanic Engineering Society (OES) enthusiastically supports the upgrade of the Committee to a Council, as the OES was a Council for many years.

Per your written and verbal request, this is a formal request for membership on the IEEE Council on Neural Networks (CNN), along with my assurance that our members will abide by the provisions in the CNN Constitution.

Sincerely,

Daniel L. Alspach, Ph.D.
President
Oceanic Engineering Society

DLA:mrp



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NEURAL NETWORKS

1-17-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
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marks@blake.acs.washington.edu

Maureen Caudill, Chair
**NNC Publications Committee**
16776 Bernardo Drive
Suite 110B
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FAX: (619) 487-6924

Herbert E. Rauch
**Editor, IEEE Transactions on Neural Networks**
Lockheed
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-3115

Dear Herb and Maureen,

I ask that you jointly craft an editorial policy for proper division of the material in the Transactions from a possible NNC sponsored newsletter. There was concern expressed at the NNC AdCom concerning possible conflicting contents. I request that the policy be presented at our next AdCom meeting at the San Diego IJCNN. You may involve Ms. Rosalyn Snyder in the discussion to the degree you think appropriate. Ms. Snyder is under consideration as the managing editor of the newsletter.

Personally, I believe that a high quality newsletter distributed in a timely matter would be a great service to the neural networks community. Matters to be considered include distribution and the closeness of affiliation with IEEE.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Rosalyn Snyder


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1-17-90

Please put on letter head. 2 copies needed. I'd like original signatures on both. + cc's - Bob

Ros Snyder is Wes Snyder's wife

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
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DEPT. OF ELECTRICAL ENGINEERING
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Maureen Caudil
**NNC Publicatic**
16776 Bernardo .
Suite 110B
San Diego 92128
(619) 485-1809 (H
FAX: (619) 487-69

. Rauch
**EEE Transactions**
**l Networks**

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Rosalyn Snyder

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NEURAL NETWORKS

Robert J. Marks II, President
*IEEE Neural Networks Council*
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IEEE

INDUSTRY APPLICATIONS SOCIETY

Eugene J. Fagan
PRESIDENT

December 31, 1989

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Engineering Department
P.O. Box 6090
Newark, DE 19714-6090 USA
(302) 366-2884

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cc: Dr. M. Dayne Aldridge-Auburn University, School of Engineering, 108 Ramsey Hall, Auburn University, AL 36849-3501, 205-844-4333

Dr. Roy S. Nutter, Jr., West Virginia University, 821 Electrical Engineering, P.O. Box 6101, Morgantown, WV 26506, 304-293-6375

Dr. George E. Cook, Vanderbilt University, P.O. Box 2215 Station B, Nashville, TN 37235, 615-322-2259



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Dr. Daniel L. Alspach
**President**

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DLA:mrp



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Val
1. Letter head.
2. Attach clean copies of the letters. They're in the Tabs of the Blue Book.
Mail
Thanks!
- Bob -

1-17-

Robert J. Marks II, President
*IEEE Neural Networks Council*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
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Eugene J. Fagan
Engineering Department
E.I. DuPont De Nemours & Co.
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Dear Dr. Fagan,

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Upon approval by TAB, I am assuming that your representatives to the NNC will be

George E. Cook (1990)
Vanderbilt University
Box 2215, Station B
Nashville, TN 37235
(615) 322-2259

Roy S. Nutter, Jr. (1990-91)
West Virginia University
821 Electrical Engineering
P.O. Box 6101
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rsn@a.coe.wvu.wvnet.edu

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Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
R.S. Nutter, NNC Member apparent
G.E. Cook, NNC Member apparent


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1-17-90

½ Letterhead
½ Mail

Robert J. Marks II, President
*ural Networks Council* (NNC)
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OF ELECTRICAL ENGINEERING
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Engineering Department
E.I. DuPont De Nemours &
P.O. Box 6090
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Roy S. Nutter, Jr. (1990-91)
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rsn@a.coe.wvu.wvnet.edu

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G.E. Cook, NNC Member apparent

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(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

01-17-90

Pat Simpson
*General Dynamics, Electronics Divisi*
17436 Ashburton Rd,
San Diego, CA 92128
(619) 573-2417 (W)
(619) 451 1846 (H)

Dear Pat,

I am delighted to inform you that you have been elected the Treasurer of the IEEE Council on Neural Networks for the calander year 1990.

I request that you interact with former Treasurer, Russ Eberhart, who currently serves as the Council's Vice-President. Among your duties as treasurer will be preparation of the Council budget for submission to IEEE.

I look forward to working with you.

Best personal regards,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President


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(1) Letterhead
(2) Mail

01-17-90

Pat Simpson
*General Dyna*
17436 Ashburt
San Diego, CA
(619) 573-2417
(619) 451 1846 (

Dear Pat,

I am delighted to inform you that you have been elected the Treasurer of the IEEE Council on Neural Networks for the calander year 1990.

I request that you interact with former Treasurer, Russ Eberhart, who currently serves as the Council's Vice-President. Among your duties as treasurer will be preparation of the Council budget for submission to IEEE.

I look forward to working with you.

Best personal regards,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President

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IEEE

NEURAL NETWORKS

1-17-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

D.L. Alspach, President
IEEE Oceanic Engineering Society
*Oricon Corporation*
9363 Towne Centre Dr.
San Diego, CA 92121

Dear Dr. Alspach,

I am delighted to inform you that the *IEEE Neural Networks Council* has approved admission of the *IEEE Oceanic Engineering Society* as a member of the NNC. I have forwarded you petition for membership to the *IEEE Technical Activities Board* for approval.

Upon approval by TAB, I am assuming that one of your representatives to the NNC will be Dr. Richard Trueblood. Your second designee, Dr. Pat Simpson, has been elected as Treasurer of the NNC and is therefore not eligible to represent any member Society on the Council AdCom. In anticipation of TAB approval, I therefore request that you appoint someone to replace Dr. Simpson as a representative of your Society to the NNC AdCom.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Pat Simpson, NNC Treasurer
Richard Trueblood, NNC Member apparent


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1-17-90

Marks II, President
*ks Council* (NNC)
ASHINGTON, FT-10
CAL ENGINEERING
'GTON 98195 USA
X (206) 543-3842
:s.washington.edu

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cc: Evangelia Tzanakou, NNC Secretary
Pat Simpson, NNC Treasurer
Richard Trueblood, NNC Member apparent

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SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

01-17-90

Wesley E. Snyder
Elec. and Computer Engineering
North Carolina State University
Box 7911
Raleigh, NC 27695
(919) 737-2336
(919) 851-1433(H)
FAX: 919-737-7382
wes@ecelet.ncsu.edu

Dear Wes,

The AdCom has authorized me to approve use of Council funds for reimbursement to AdCom members for travel to AdCom meetings. I hereby authorize reimbursement to you for your travel to our AdCom meeting in Denver in November, 1989.

Reimbursement is to be made in accordance to IEEE policy. The enclosed form is to be submitted with this letter to

Marilyn J. Prusan
Finance Administrator
Technical Activities Department
IEEE
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3861
FAX: (201) 562-1571

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: PAT SIMPSON, NNC TREASURER


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*IEEE Neural Networks Council*
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01-18-90

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Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: PAT SIMPSON, NNC TREASURER


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Val
1. Please Xerox on
a letter head on
both letters -
2. Mail w/ 2 IEEE
forms
(The letters are
different)
No forms for Snyder -
Bob -

Robert J. Marks II, President
*IEEE Neural Networks Council*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
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Robert J. Marks II, President
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cc: PAT SIMPSON, NNC TREASURER

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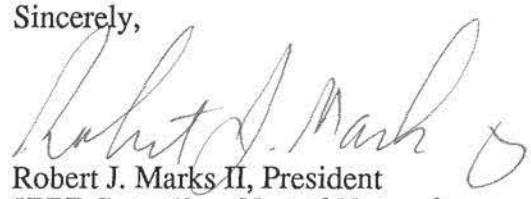
Sincerely,



Robert J. Marks II, President
*IEEE Council on Neural Networks*

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Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
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DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Dr. Bernard Widrow,
*International Neural Network Society*
860 Lathrop Drive
Stanford, CA 94305

Bernie,

A friendly reminder: FAX copies of the Omni contract to me ASAP.

Also, my AdCom has directed me to pursue a joint INNS/NNC effort for giving worthy conference participants money. Any suggestions or ideas? The simplest thing to do would be to set up separate committees that talk to each other so we don't give duplicate awards. As our efforts with the IOC have shown, formal interactions can be quite time consuming.

Best personal regards,

Robert J. Marks II, President
*IEEE Council on Neural Networks*


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1/3 mail

ert J. Marks II, President
'etworks Council (NNC)
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*IEEE Neural Networks Council*
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(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Prof. Teuvo Kohonen
Helsinki University of Technology
SF -02150 Espoo, Finland
FAX: + 358-0451 3277

Dear Dr. Kohonen:

I am delighted to inform you that the AdCom of IEEE Neural Networks Council (NNC) has agreed to cooperate with the International Conference on Neural Networks (ICANN), June 24-28, 1991 in Helsinki.

An original copy of this correspondance will be sent to you along with an IEEE conference information packet that specifies IEEE requirements in regard to our proposed level of involvement with the conference. Included are camera ready IEEE logos and descriptions of various services available from IEEE. I hope you will find the information useful.

IEEE has specific requirements regarding involvement with conferences. Publicity in regard to the NNC's involvement with the ICANN should read *in cooperation with the IEEE Neural Networks Council.* Also, IEEE is concerned about the involvement of commercial enterprises in the publicity and execution of the conference. IEEE policies, in this regard, must be adhered to. This includes, but is not limited to, the display of no business logos on conference literature. A superb resource at IEEE in such policy matters is

Laura Jobmann, IEEE Conference Services
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
201-562-3873

I request that all conference material bearing the IEEE logo or name be approved by her office.

The IEEE NNC is delighted to be a cooperating society for the ICANN. We wish you the very best in a successful conference.

Best personal regards,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Laura Jobmann, IEEE
Bernard Widrow, INNS

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# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Teuvo Kohonen

Name of Firm: Univ. of Technology Helsinki

Location of Firm: Finland

Facsimile Telephone Number: 358 0451 3277

From: Prof. Bob Marks Phone: (206) 543-6990

Charge Dept./Acct. 06-1030

THIS TRANSMISSION INCLUDING COVER PAGE CONTAINS 2 PAGES.

DATE: 1-18-90 TIME: 2:28

COMMENTS:

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

Rev. 4/19/89

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1. Letterhead
2. FAX this p. only
3. Air mail to Kohonen with Conference Packet
4. cc's by regular mail.

1-17-90

Robert J. Marks II, President
*IEEE Neural Networks Council*
'IVERSITY OF WASHINGTON, FT-10
:PT. OF ELECTRICAL ENGINEERING
ATTLE, WASHINGTON 98195 USA
) 543-6990: FAX (206) 543-3842
narks@blake.acs.washington.edu

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Helsinki University of Te
SF -02150 Espoo, Finlanc
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NEURAL NETWORKS

Robert J. Marks II, President
*IEEE Neural Networks Council*
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SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Esmi L. Bidstrup, Manager
TAB General Activities
IEEE
345 E. 47th Street
New York, NY 10017
(212) 705 7868
FAX: (212) 682-6005

Dear Esmi,

Enclosed is a list of officers, editors and representatives of the *IEEE Council on Neural Networks:*

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: EVANGELIA TZANAKOU, NNC SECRETARY


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Please Xerox
on letter head
& mail

Robert J. Marks II, President
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marks@blake.acs.washington.edu

1-17-90

Prof. Roy S. Nutter, Jr.
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375
rsn@a.coe.wvu.wvnet.edu

Dear Roy,

It was good to see you again at the NNC AdCom in Washington D.C. I look forward to working with you in the Council. Your Society will become an official member after ratification by the IEEE TAB in February.

In response to the brief conversation we had after the meeting, I want to make you aware that the Council does have funds to support the travel of its members. Requests for support are to be made in writing to the President prior to the event.* Typically, some statement concerning availability of any other funds for travel is appropriate. We have yet not to honor a request. The President will then send you a letter of acceptance. After the meeting, receipts, along with the enclosed form, are to be sent to IEEE to

Marilyn J. Prusan, Finance Administrator
Technical Activities Department, IEEE
445 Hoes Lane,P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3861, FAX: (201) 562-1571

IEEE policy in regard to travel reimbursement, of course, must be adhered to.

Please don't take the D.C. AdCom meeting as typical to the manner in which business is conducted in the Council. Sometime, I would like to share with you the prior circumstances that warranted the overly formal manner in which the meeting was conducted. I hope that our meeting in San Diego can reflect the workings of a kinder, gentler NNC.

Best personal regards,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

* With me, e-mail is fine.


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1. Letterhead.
2. Mail with an IEEE form.
Thanks!
— Bob —

Robert J. Marks II, President
*IEEE Neural Networks Council*
/ERSITY OF WASHINGTON, FT-10
'T. OF ELECTRICAL ENGINEERING
TTLE, WASHINGTON 98195 USA
543-6990: FAX (206) 543-3842
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*IEEE Council on Neural Networks*

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NEURAL NETWORKS

Robert J. Marks II, President
IEEE Council on Neural Networks
University of Washington
Interactive Systems Design Laboratory
Dept. of Electrical Engineering, FT-10
Seattle, Washington 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

January 3, 1990

Professor Robert W. Newcomb, Chair
IJCNN Oversight Committee (IOC)
Microsystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD 20742

Dear Bob,

The attached letter is the latest in a series of queries with regard to IJCNN support of session organizers and chairs. I, thus, will propose as an "ex officio" member of the IOC, the following motion:

> "No session organizers or chairs attending IJCNN's shall be compensated for their travel in relation to performance of these duties."

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

cc: Evangelia Tzanakou, ICONN Secretary
Bernie Widrow, INNS President


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IEEE **TECHNICAL ACTIVITIES BOARD**

**TAB MEETINGS COMMITTEE**
Dov Jaron, Chairman

PLEASE REPLY TO:
Biomedical Engineering and
Science Institute
Drexel University
32nd and Chestnut Streets
Philadelphia, PA 19104 USA
(215) 895-2215

December 28, 1989

Professor Robert J. Marks, II
Chair, IEEE Neural Networks Committee
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98185

Dear Bob:

Thank-you for your letter of December 4th in which you report on the status of the Neural Networks Conference. As you mention in your report, there have been two primary irregularities in previous conferences: excessive travel support for session chairs and large fees paid to presenters of tutorials.

Your report indicates the actions taken to correct the first irregularity but does not speak to the second.

I would appreciate receiving information about the level of fees that are being paid for tutorials and whether they conform to IEEE guidelines; if not, what corrective actions have been put in place.

Sincerely,

Dov Jaron, Ph.D.

DJ/tw
Attachment
cc: Eric Herz
Irving Engelson
Melvin Olken



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BIOMED
21 1989

IEEE

NEURAL NETWORKS

December 4, 1989

Dr. Dov Jaron
Biomedical Engineering and Science Institute
Drexel University
Philadelphia, PA 19104

Dear Dov,

At your request, I am providing a summary of Conference Activities of the *(IEEE Council on Neural Networks)*. All of the conferences thus far have been huge technical successes. The current series of International Joint Conferences on Neural Networks (IJCNN's) are currently the most visible and largest conferences in the world on the topic. There have been, however, numerous problems in the management of the conferences. It is these issues I will primarily address.

The International Conferences on Neural Networks were held in San Diego in the summer of 1987 and 1988. The primary irregularities in these conferences were excessive travel support for session Chairs and the large fees paid to presenters of tutorials.

At the 1988 meeting of the Planning Committee for the 1989 Conference, a procedure was discussed whereby session Chairs could be reimbursed for travel based on hardship only. The program Chair for the Conference (now the IJCNN) ignored the spirit of the agreement and informed all session Chairs that travel would be reimbursed from the NNC upon petition.

The Conference Chairs (Al Stubberud, currently Division VI Director, and Wes Synder) and I felt that many of the session Chairs had, in good faith, made travel plans contingent on Conference support. Each was contacted by one of the Conference Chairs and the matter was resolved on a case-by-case basis. In order to assure that the matter did not again surface, I indicated in writing to the next Conference Chairs that any financial commitments made without NNC approval would be the responsibility of the person making it. The 1990 IJCNN Chairs (Joseph W. Goodman and Walter Karplus) are aware of the past abuses and are sympathetic to the NNC's position on the matter. The current mood of the NNC is to ban all budgeted support for session Chairs after 1990.

There were also problems with the financial accountability for the 1989 IJCNN. Despite reminders from IEEE Conference Services and the NNC, the 90 day financial report required by IEEE from the Conference Finance Chair was not forthcoming. Checks were issued by the Finance Chair to the sponsoring societies for approximately $200,000 in late September of this year. The conference is currently being audited by Coopers & Lybrand. Irv Engelson, as a signatory for the conference, ordered the audit at the request of the NNC.

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Two major Neural Networks conferences were planned for the summer of 1989 – one sponsored by the NNC and one by the International Neural Networks Society (INNS). To avoid conflicting meetings in both time and location, the NNC and INNS crafted an agreement whereby coordinated semiannual IJCNN's would be offered. After 1990, the current plan calls for one annual IJCNN in North American each summer and one outside the country during the winter. We are currently crafting a more detailed agreement with INNS for the co-sponsorship of these conferences. The IJCNN Oversight Committee (IOC) Chair is Robert W. Newcomb, an IEEE Fellow.

Additional steps that have been taken to assure past problems do not reoccur include review of all conference budgets and contracts by IEEE Conference Services and with the approval of Eric Herz, appointment of Mel Olken to the IOC.

Please contact me if you require further information.

Sincerely,

Robert J. Marks II
Chair, IEEE Neural Networks Committee
President, IEEE Council on Neural Networks (CNN)

cc: CNN Executive Committee
Dr. Robert W. Newcomb (IOC Chair)

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# COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

6-5-90

**Neural Networks Council Meetings Committee**

Roy S. Nutter, Jr. Chair
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506

Edward C. Posner
Dept. of Electrical Engineering
California Inst. of Technology
1201 California Street
Pasadena, CA 91125

Robert W. Newcomb
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD 20742

Walter Karplus
3732 Boelter Hall
UCLA
Los Angeles, California 90024
(213) 825-2929

Dear friends:

On behalf of Meetings Committee Chair, Dr. Roy Nutter, I propose the following agenda for the meeting of the Meetings Committee of Monday, June 18 at the San Diego IJCNN. Our plan is to meet in the Chicago room in the Marriot at 11:30A. We will order lunch through room service.

Proposed Agenda:

- The matter of Burke*
- NNC Forums*
- IOC Matters.
  - Financial Reports Status for the Jan 90 IJCNN.
  - Singapore Ratification by INNS.
  - The IEEE NNC/INNS Agreement Status*.
- Conflict of interest in tutorials.
- Other items.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Pat Simpson, NNC Treasurer

---

* Background items are included in the AdCom material you will be receiving in a separate mailing.



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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

6-11-90

Carlton S. Sedgeley
Royce Carlton Incorporated
866 United Nations Plaza
New York, NY 10017-1880

Dear Mr. Sedgeley,

I write in response to your letter dated May 14, 1990. I plan to present this letter to the Meetings Committee and subsequently to the AdCom of the *IEEE Neural Networks Council*. As I indicated to you previously, the AdCom of the *IEEE Neural Networks Council* has the responsibility of approving all budget items in regard to conferences which it co-sponsors.

Sincerely,

Robert J. Marks II, President
IEEE Neural Networks Council

cc: Laura Jobmann, IEEE Conference Service
Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Walter Karplus, IJCNN Chair



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From joice@isl.Stanford.EDU Tue Jun 5 16:59:01 1990
Received: from isl.Stanford.EDU by blake.acs.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA16909; Tue, 5 Jun 90 16:58:56 -0700
Message-Id: <9006052358.AA16909@blake.acs.washington.edu>
Received: by isl.Stanford.EDU (4.1/4.7); Tue, 5 Jun 90 16:58:51 PDT
Date: Tue, 5 Jun 90 16:58:51 PDT
From: joice@isl.Stanford.EDU (J. Joice DeBolt)
To: marks@blake.acs.washington.edu
Subject: IEEE/INNS Business
Cc: joice@isl.Stanford.EDU
Status: RO

Maureen Caudill is ready to do an audit of the accounts for IJCNN-90-Washington, DC. It would be easiest (and probably cheapest) to have INNS' accounting firm, Grant Thornton, do the audit. This is a nationwide company, although not a big 8. Would this be OK with IEEE?

The data that I have from Maureen indicates that we have a surplus of about $70K. There are a few American Express credit card bills that have not yet been resolved, but the number is small and the amount of money is small, so Maureen would like to get on with the audit.

I proposed at a recent Board meeting that INNS approve the basic agreement between IEEE and INNS that the IOC settled on in Washington last January. The INNS Board approved it, with modifications in Clauses 4, 6, 9, and 15. Since these changes have, of course, not been approved by IEEE, I can only tell you what our Board approved (and why), and propose that we engage in negotiation over these points at the IOC meeting coming up in San Diego. If it takes some time to resolve these matters, I think it's OK since we are still operating under the original agreement. Anyhow, let me tell you what these changes are.

In Clauses 4 and 15, where it says "advice and consent..., change this to read "...advice .... Personally, I think it's better without the change, but many Board members were concerned with possibility of indecision and delay. It's not a big matter.

In Clause 6, there was some question that some of our Board members had about the IEEE book broker program. I triied to explain. The Board wanted the language changed to clarify the clause. The following is the version of Clause 6 that was approved:

6) Proceedings of the joint conferences will be sold to the members of either organization at the member's rate. The conference committee should establish a mechanism for post-conference sales. The IEEE book broker program should be approached to bid on publication of the proceedings. Establishment of this mechanism shall be part of the budget planning process for each conference. The lead society will be responsible for post conference sales of proceedings.

The most difficult issue is concerned with Clause 9. Originally, Clause 9 would allow the conference to pay travel costs for tutorial and plenary speakers. The majority of the INNS Board wanted to include invited speakers, the General Chair, the Program Chair, and the Finance Chair in the group whose travel would be paid by the conference. Including the principal Chairs makes sense. We should definitely do this, I think.

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The invited speakers are extremely important to the success of the conference. They are generally people whose names are highly recognizable, and being able to advertise the conference with their names on the masthead sets the quality of the conference and encourages large numbers of people to submit papers and, most important, to attend. In the past, we have been having 20-30 invited speakers and, in my opinion, they are the "backbone" of the conference. It is easier, nicer, and more proper when you invite a distinguished researcher to present a paper to offer to pay travel.

Since we are running a healthy surplus with each conference, would it not make sense to use surplus from a previous conference to enhance the quality of the next one? Supporting travel of invited speakers in this way would, I think, be a good idea. If this seems like a bad idea to IEEE, perhaps a form of compromise might be to allow support for travel up to a maximum of $1,000 per person. In any event, the clause as it has been approved by the INNS Board, reads as follows:

9) ~~As a general guideline,~~ speakers (except for tutorial speakers) are not compensated for their presentations. Plenary and invited speakers normally have their travel expenses paid. In addition, the General Chair, the Program Chair, and the Finance Chair or Co-Chairs would also have their expenses paid. The conference committee will set specific arrangements in accordance with the policies of both INNS and IEEE. Compensation for tutorial speakers shall be consistent with the policies of IEEE and INNS. Session Chairs are not compensated for their travel expenses unless they are invited speakers. Plenary, tutorial, and invited speakers, Program Committee and Session Chairs will have their conference registration fees waived.

Can you give me some feedback? I would like to place this matter on the IOC agenda. Could you give me advice on the audit question? Maureen would like to have this underway before the IOC meeting.

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North Carolina State University
Department of Electrical and Computer Engineering

Box 7911
Raleigh, NC 27695-7911
919-737-2336

May 2, 1990

Dr. Rolf Eckmiller
Division of Biocybernetics
Heinrich-Heine-Universität Düsseldorf
Universitätsstraβe 1, D-4000 Düsseldorf 1
FRG

Dear Rolf:

I have given considerable thought to the 1992 conference, and have a suggestion which might make things easier for all of us.

Some conferences, for example, the international conference on Pattern Recognition follow this scheme: every year, each of the participating societies/countries has an annual conference. The "international" conference moves around the world from year to year. In a year in which a given country hosts the international conference, they do not hold their domestic conference. I propose that we follow the same plan.

1. Rename the American conference from IJCNN to ACANN, and hold it annually, except in those years in which the IJCNN is held in the USA.
2. Similarly, make ICANN the European annual conference, renaming it to something like ECANN.
3. When the IJCNN is held in a particular area, that country/area/society (whatever the host is) shall be a 50% sponsor.

I suggest we implement this plan immediately. The particular impacts of this plan will be to:

1. make the Far East (Probably IEEE region 10) a 50% sponsor of the Singapore conference.
2. make JENNI a 50% sponsor of the London Conference.

I further suggest that JENNI be made a sponsor at some level (which we can figure out reasonably) of future IJCNNs in other locations.

*North Carolina State University is a land-grant university and a constituent institution of The University of North Carolina.*

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Rolf, I know this may seem like a retraction of my previous position, but it isn't. It is a continuing attempt on my part to make the field truly international and truly unified and professional; to remove feelings of "territories" (remember, we had suggested that 1992 IJCNN be held in Europe anyway, before we knew of JENNI's plans). We are professionals, and should strive to make our activities as professional as possible. Certainly, it is **VERY** important that we present a unified appearance to the outside world.

JENNI has much to gain from this plan:

1. IEEE and INNS sponsorship means access to mailing lists and advertising, some of which would be free.
2. IEEE and INNS can provide "up-front" money. I know my conference incurred $50,000 in expenses before we ever started receiving registration income.
3. JENNI will be the host organization of the 1992 conference and will therefore totally run the conference.
4. IEEE and INNS will act as "insurance", up to their percentage participation, in case the conference loses money.
5. JENNI becomes a sponsoring participant in future IJCNNs.

Although I am sending copies of this letter to Bernie Widrow and Bob Marks, I do not speak for them. This proposal is thought up entirely by me with no external influences or authorizations; however, if JENNI responds favorably, I am willing to lobby for it at the ADCOM meeting in June.

I am looking forward to hearing from you.

Yours Truly,

Wesley E. Snyder

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COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

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marks@blake.acs.washington.edu

June 5, 1990

Professor Walter Karplus
UCLA
3732 Boelter Hall
Los Angeles, California 90024

Dear Walter,

Section 9.9 of the January 1990 IEEE Policy and Procedures Manual states in part:

CONFLICT OF INTEREST

"For the purpose of this policy, conflict of interest is defined as any situation in which a member's decisions or votes could substantially and directly affect the member's financial or business interests. It is the responsibility of all IEEE members in any elected, appointed, or volunteer position of an Institute activity to consider each item of business where they have a vote or decision authority to determine if a conflict of interest may exist. Any such recognized potential conflict shall be made known immediately to the person in charge of the activity (or the next higher authority if the member is in charge) who, after consultation with other individuals in the activity, will advise the member of the proper course of action and cause a notation of the action to be entered in the activity's record."

The opinion of IEEE Conference Services and the Neural Networks Council is that there exists the appearance of a conflict of interest



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in the dual roles of Bart Kosko and Walter Freeman as both tutorial organizers and tutorial instructors at the upcoming IJCNN in San Diego.

The matter can be resolved by adherence to the provision in the policy. Please advise me on actions you take in this regard.

Sincerely,

Robert J. Marks II

Robert J. Marks II, President
IEEE Neural Networks Council

RJM:vbh

cc: Joe Goodman, IJCNN Co-Chair
Laura Jobmann, IEEE Conference Services
Bart Kosko, IJCNN Program Chair
Walter Freeman

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UNIVERSITY OF CALIFORNIA, LOS ANGELES UCLA

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COMPUTER SCIENCE DEPARTMENT
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
LOS ANGELES, CALIFORNIA 90024

June 9, 1990

Professor Robert J. Marks
President, IEEE Council on Neural Networks
Department of Electrical Engineering, FT-10
University of Washington
Seattle, Washington 98195

Dear Bob:

A conflict of interest problem has arisen with respect to the forthcoming IJCNN-90. Prof. Bart Kosko and Prof. Walter Freeman are serving as Co-Program Committee Chairs. As such they are in charge of the tutorials to be presented immediately prior to the Conference. They are also both scheduled to present tutorials in their technical specialities and to be paid for this service. We now learn that this is contrary to IEEE regulations.

After exploring the IEEE regulations governing this situation, I have contacted all members of the Conference Organizing Committee and have received general concurrence on the following points:

1. The presentations of Prof. Kosko and Freeman are vital to the tutorial program, and no one else could make the presentations in their place.

2. The Organizing Committee is satisfied that Prof. Kosko and Prof. Freeman have not abused their authority in including their own names in the tutorial program.

3. This situation has arisen because the Co-General Chairs of the conference were under the impression that the tutorial program was distinct from the conference, and that no conflict of interest rules were therefore involved. It would be unfair to enforce these rules at this point in time when plans and contracts for the tutorials have been in place for a long time and the conference is imminent.

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4. Prof. Kosko and Prof. Freeman should be compensated for their presentations at the same rate as other tutorial presenters.

5. Steps should be taken to avoid similar problems in future conferences.

In addition to myself, Co-General Chair Joe Goodman, Finance Committee Chair John Caulfield and Publicity Chair Tony Materno voted in favor of the above, while Local Arrangement Chair Pat Simpson abstained.

Very sincerely yours,

Walter J. Karplus,
Co-General Chair

cc Ms Laura Jobman
Joe Goodman
John Caulfield
Tony Materno
Pat Simpson
Bart Kosko
Walter Freeman
Conference Record

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Dial 071 instead of 01 if calling from outside Central London

Professor R J Marks
IEEE (Neural Networks Society)
University of Washington
Department of Electrical Engineering
FT-10
Seattle
Washington 98195
USA

7 June 1990

Our Ref: LS 139 Ext: 255

Dear Professor Marks

Second International Conference on
'Artificial Neural Networks'
Bournemouth International Centre, UK: 18 - 20 November 1991

The Electronics Division of the Institution of Electrical Engineers is planning a Conference on Artificial Neural Networks to be held in 1991.

On behalf of the Organising Committee, I have much pleasure in extending to the IEEE Neural Networks Society a cordial invitation to be associated with the Conference.

Acceptance of this invitation would involve no financial responsibility as the Institution bears full financial liability. We would, however, welcome help with the publicity.

I look forward to hearing whether or not you are able to accept this invitation.

Yours sincerely

Sheila Griffiths
Conference Organiser
IEE Conference Services

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# COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

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5-17-90

Neural Networks Executive Committee

Vice President

Russell Eberhart
JHU Applied Physics
Johns Hopkins
Laurel, MD 20707
(301) 953-5037

Secretary

Evangelia Tzanakou
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, NJ 08854
(201) 932-2037

Treasurer

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San Diego, CA 92128
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Editor, IEEE Transactions on Neural Networks
Herbert E. Rauch
*Lockheed*
Dept. 92-20, Bldg. 254E
3251 Hanover Street
Palo Alto, CA 94304
(415) 424-2704

Dear friends,

I'd like you to set aside the morning of Wednesday, June 20th aside for a breakfast meeting of the NNC Executive Committee at the San Diego IJCNN. We'll plan the time for breakfast at our AdCom.

I look forward to seeing you again in San Diego.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P.O. BOX 1331, PISCATAWAY, NJ 08855-1331, USA TEL. (201) 981-0060 TELEX 833233 FAX: (201) 981-0027

# MEMORANDUM

TO: Tab Finance Committee, Division Directors,
Society and Council Treasurers & Presidents

FROM: Michael J. Sosa DATE: 6-5-90

SUBJECT: INVESTMENT FUND OPEN INVESTMENT PERIOD

This is to remind you that the next open investment period is July 1, 1990.

You should notify us as soon as possible if you would like funds transferred to the Long-Term Investment Fund.

The next open investment date after this will not be until January 1, 1991.

If you have any questions, please do not hesitate to contact me.

Mike

MJS/ns

cc:
T.W. Bartlett
M. Prusan
T. Skrinnikov
T.M. Elliott
I. Engelson
E. Herz
H. Strickholm
W. Read
B. Wangemann
E. Rosenberg
D. Sethi
H.T. Nagle, TAB V.P.
B.W. Johnson, TAB Treasurer

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# IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY

**EXECUTIVE OFFICER**
Susan M. Blanchard, Ph.D.

**PLEASE REPLY TO:**
IEEE EMBS
P. O. Box 2477
Durham, NC 27715 USA
Phone: (919) 493-3225
FAX: (919) 493-3989
e-mail: embs@dukemvs.bitnet
embs@dukemvs.ac.duke.edu
s.blanchard@ieee.org

Date: May 9, 1990

To: IEEE Society and Council Presidents SMB

From: Susan Blanchard, Chair, TAB Electronic Access Subcommittee on Membership

You are probably aware that the Electronic Access Ad Hoc Committee was created by a motion of TAB to arrange a standard electronic format for the transfer of Society membership and financial records from IEEE-Piscataway to Society staff and volunteers. In 1989, Field Services began providing membership data to Sections on floppy diskettes. This information included member number, grade, school code, elected date, name and address, society codes, phone number, geo code for region, council, section, and subsection, and zip code. At the January 13th meeting of the Electronic Access Committee, the decision was made to request the same information for a Society that is currently available for the Sections. EMB was selected as the test Society for receipt of this information. At the February 20th TAB meeting, Dr. Engelson reported that all of the approvals had been secured so that EMB could receive its membership data diskette with monthly updates of changes for a 6-month trial period.

The subcommittee on membership had originally planned to wait until the diskettes had been received and tested before contacting you to determine how your Society's needs might differ from what was provided on the diskettes. Unfortunately, the diskettes have not as yet arrived. Since the committee must prepare a written report and possible action items for presentation at the June meeting of TAB, I would appreciate it if you would indicate what information your Society would like to receive about its members. Please check all categories that apply and return the completed form to me in the enclosed envelope.

The _____ Society would like to receive the following information about its members in electronic format.

_____ All of the information currently provided to Sections.
_____ e-mail addresses (when available).
_____ FAX numbers (when available).
_____ Technical Interest Profile information.
_____ Other - please specify._____
_____

**Please respond by June 1, 1990.**

_____
President's Signature

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# COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

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marks@blake.acs.washington.edu

6-7-90

TO: Presidents of Member Societies of the *IEEE Council on Neural Networks*:

- Circuits and Systems
- Communications
- Control Systems
- Engineering in Medicine and Biology
- Industry Applications
- Industrial Electronics
- Information Theory
- Lasers and Electro-Optics
- Oceanic Engineering
- Robotics and Automation
- Signal Processing
- Systems,Man&Cybernetics

Enclosed you will find a copy of material to be considered at the June 18 AdCom meeting of the *IEEE Council on Neural Networks* (NNC). I wish to call your attention to several items:

- Your Society Representatives to the NNC, listed in TAB 11, are appointed for overlapping two year terms. Your Society will therefore need to replace or reappoint one of your representatives for 1991. Dates of appointment of each representaive are written by each name. I request you contemplate the degree of your representative's contribution, including frequency of NNC AdCom meeting attendance, in considerations of reappointment. Also, please let me know of any inaccuracies in the list.

- An overview of the NNC's financial status is in TAB 5. Note that the NNC AdCom will be considering a motion for surplus sharing with the Member Societies as stated in TAB 9.

For your information, I have also attached a message that will be appearing in the September Issue of *IEEE Transactions on Neural Networks*. The contribution of your Society to the NNC is therein acknowledged.

Thank you for the continued participation of your Society in the NNC.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Anthony Ephremides, Division X



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# Guest Editorial

As President of the IEEE Neural Networks Council (NNC), I take this opportunity to report to you on the activities of the Council. The NNC is dedicated to nurturing the field of neural networks in the highly professional manner and with the high technical standards characteristic of the IEEE.

## Transactions

A fundamental responsibility of the NNC is the publication of this Transactions. We are genuinely proud of the quality of the *IEEE Transactions on Neural Networks* under the leadership of its Editor, Dr. Herbert E. Rauch. Bringing an IEEE Transactions into being is a major accomplishment. Doing so with quality is a extraordinary achievement. The response to the Transactions has been phenomenal. With a publishing run of over 8000 subscribers per issue, the Transactions you now hold in your hands is, in terms of circulation, the premier archival publication on neural networks.

You may have noticed, however, that this September 1990 issue is much thinner than the first two issues of the Transactions. The reason is that the Transactions reached its projected annual page limitation much earlier than anticipated. In response, starting in January 1991, the Transactions will have a a 50% increase in pages compared to 1990 and will be published every other month (six issues a year). The cost of the subscription in 1991 stays the same; $10 for IEEE members who belong to one of the twelve societies of the IEEE Neural Networks Council, $15 for the IEEE members who belong to other IEEE Societies, and $75 for those who do not belong to IEEE. I urge you to renew your subscription for 1991.

## Conferences

The NNC is currently co-sponsoring the largest conference in the world on artificial neural networks, the *International Conference on Neural Networks* (IJCNN). The IJCNN is co-sponsored by the *International Neural Network Society*. The current plans are to hold two IJCNN's each year - one in North America and one outside. The North American IJCNN's are planned in Seattle in the summer of 1991 and in Baltimore in the summer of 1992. A second IJCNN will be held in the fall of 1991 in Singapore. Details of these conferences will be announced in the Transactions.

## Membership

IEEE Councils like the NNC do not have individuals as members. Councils, rather, are comprised of member IEEE Societies who assist in running the affairs of the Council. Thus, if you are a member of one of these Societies you are, in effect, a member of the Council. The current twelve IEEE Societies that belong to the NNC are

- Circuits and Systems
- Communications
- Control Systems
- Engineering in Medicine and Biology
- Industry Applications
- Industrial Electronics
- Information Theory
- Lasers and Electro-Optics
- Oceanic Engineering
- Robotics and Automation
- Signal Processing
- Systems,Man&Cybernetics

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The individual representatives from these Societies are listed on the inside back cover. The ten Founding Societies (those listed above with the exception of the Oceanic Engineering and Industry Applications Societies) took a visionary risk when they agreed to form the IEEE Neural Networks Committee in 1987. The Neural Networks Committee, upgraded to a Council this year, is appreciative of the efforts and contributions by the NNC parent Societies.

The science and technology of neural networks has matured significantly in the past few years yet remains the most exciting field in the computational sciences. We are delighted that, through subscription to this Transactions, you are a part of this excitement.

Robert J. Marks II, President
*IEEE Neural Networks Council*

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IJCNN
INTERNATIONAL
JOINT CONFERENCE
ON NEURAL NETWORKS

5665 Oberlin Drive, Suite 110
San Diego, CA 92121 USA

INNS
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NEURAL NETWORK
SOCIETY

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## CONFERENCE REGISTRATION FEES

Conference registration fee includes admission to all sessions, exhibit area, Sunday Welcome Reception and Wednesday Party. TUTORIALS ARE NOT INCLUDED.

- $190 (U.S. Dollars) up to December 15, 1989 (Proceedings included)
- $240 (U.S. Dollars) up to April 15, 1990 (Proceedings included)
- $280 (U.S. Dollars) after April 15, 1990 (Proceedings included)
- $110 (U.S. Dollars) Single-day registration (Proceedings not included)
- $50* (U.S. Dollars) Full-time students only (Proceedings/Wednesday Party not included)

* A letter from the Department Head to verify full-time student status is required. All students must present at the conference a current student I.D. with picture.

A small block of dormitory rooms at SDSU has been reserved for participants. For full information, write to MEETING MANAGEMENT.

A 20% discount is allowed to all current IEEE and INNS members. Member I.D. number is required. This discount does not apply to tutorials or to student registrations.

## TUTORIAL REGISTRATION FEES

Only registered conference participants may register for tutorials. Maximum of 4.

$125 (U.S. Dollars) each tutorial
$450 (U.S. Dollars) four tutorials

No changes in tutorial selection after May 25, 1990.

## ACCOMMODATIONS AT DOWNTOWN

The Conference will be held at the San Diego Marriott Hotel and Marina, a waterfront resort hotel on San Diego Bay adjacent to Seaport Village. Just minutes from the newly redeveloped downtown gaslamp district, the hotel offers many recreational activities and various restaurants are located within walking distance. Other nearby attractions include Sea World, the San Diego Zoo, Balboa Park, and Old Town. A short drive will take you to the Wild Animal Park and Mexico. Shuttle service is available to and from the airport, which is ten minutes away.

Special room rates are offered to Conference participants. A limited number of rooms are being held for the group until **May 15, 1990,** so PLEASE RESERVE EARLY.

If you are willing to share a room, call MEETING MANAGEMENT before filling out the Hotel Reservation Form.

**San Diego Marriott Hotel & Marina**
**333 West Harbor Drive**
**San Diego, CA 92101-7709**
**Telephone: (619) 234-1500**

For information regarding additional accommodations, please write to MEETING MANAGEMENT. Student housing is available.

## CANCELLATIONS

If you must cancel, your conference/tutorial fee, less $30 (U.S. Dollars) for administrative costs, will be refunded, if we are notified in writing by May 25, 1990. No refunds will be given after May 25, 1990.

All refunds will be mailed out after June 25, 1990.

## AIRLINE TRANSPORTATION

You can **save 40%** and more...however, you must make your reservations early! American Airlines guarantees an exclusive IJCNN Meeting SaverFare:

**40% discount** on full coach fare, if ticket is purchased up to 7 days in advance.

Reservations must be made early.

**In addition, 5% discount** off ANY applicable published fare for which you qualify, including SuperSaver, first class, etc.

Please note that there is a $30 cancellation charge on the Meeting Saver Fare after ticketing.

Also, full PLUS ADVANTAGE MILEAGE is awarded on all discounted fares. This offer is valid for travel on American Airlines segments only from June 14-25, 1990.

You must reserve through American's Meeting Services Desk. Please call (800) 433-1790 and be sure to give IJCNN STAR FILE NO. S0160V7. Call early. Discounted seats are limited.

## MESSAGE CENTER

If you need to be reached during the conference, the number to call is (619) 234-1500 and ask for the IJCNN 90 Conference Registration Desk.

## FURTHER INFORMATION

For further information, call or write

**Meeting Management**
5665 Oberlin Drive, Suite 110
San Diego, CA 92121
Telephone: (619) 453-6222

**ALL FOREIGN PAYMENTS MUST BE MADE BY DRAFT ON A U.S. BANK IN U.S. DOLLARS • MAKE CHECK PAYABLE TO IJCNN 90 SAN DIEGO**
**CREDIT CARDS NOT ACCEPTED**

## ...L RESERVATION FORM

**...URAL NETWORKS — June 17-21, 1990**

**Deadline: May 15, 1990**

...ival Date_____ Arrival Time_____
...eck-in time is: 4:00 pm)

...arture Date_____ No. in Party_____
...eck-out time is: 12:00 Noon)

...ne_____
...ring with ...pplicable)_____
...anization_____
...dress_____
.../_____
...te_____ Zip_____
(_____)_____ (_____)_____
Office Home

...servations will only be accepted with a deposit equal the first night's rate, including 9% tax, or guaranteed ...h a major credit card.

VISA ☐ MC ☐ AM EX ☐ CB
☐ DC ☐ JCB ☐ DISCOVER

...rd #_____
...piration Date_____
...me on Card_____
...nature_____

| ...nference Rates: (U.S. ...Dollars) | S. Tower CityView | N. Tower CityView | S. Tower BayView | N. Tower BayView |
|---|---|---|---|---|
| ...nal person: | $20 per night | | (Circle rate desired) | |
| Single | $120 | $130 | $133 | $143 |
| Double | $130 | $140 | $143 | $153 |

**...AKE CHECK PAYABLE AND MAIL TO:**
San Diego Marriott
333 West Harbor Drive
San Diego, CA 92101-7709

## CONFERENCE REGISTRATION FORM • NEURAL NETWORKS • June 17-21, 1990

Please enclose a **separate** form for each individual enrollment and write a **separate** check for each person registering. This form may be duplicated for additional registrants.

**Please make check payable and mail to:**
**IJCNN 90 San Diego**
**Meeting Management**
**5665 Oberlin Dr., #110**
**San Diego, CA 92121**
**All foreign payments must be made by draft on a U.S. bank in U.S. dollars.**

**Credit Cards Not Accepted**

(Please print) (Circle one) Dr. Mr. Ms.

Last Name_____

First Name/
Middle Initial_____

Affiliation_____
(for name badge)

My preferred mailing address is: ☐ Business ☐ Home

_____

_____

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City_____ State_____

Zip_____ Country_____

Tel. (_____)_____ (_____)_____
Office Home

### CONFERENCE FEES

| | Up to Dec. 15 | Dec. 15 to April 15 | After April 15 |
|---|---|---|---|
| IEEE/INNS Member (includes 20% discount) | ☐ $152 | ☐ $192 | ☐ $224 |
| Non-Member | ☐ $190 | ☐ $240 | ☐ $280 |
| Student* | ☐ $50 | ☐ $50 | ☐ $50 |
| One-Day (flat fee) Mon Tue Wed Thu ☐ ☐ ☐ ☐ | ☐ $88 Member | ☐ $110 Non-member | |

IEEE #_____ INNS #_____
Member I.D. Number (mandatory for discount)

### TUTORIAL FEES

**List tutorials by numbers. Refer to tutorial list. Maximum of 4.**

| Tutorials: | Preferred (by number) | Alternate (by number) |
|---|---|---|
| One ☐ $125 | ☐ | ☐ |
| Two ☐ $250 | ☐☐ | ☐☐ |
| Three ☐ $375 | ☐☐☐ | ☐☐☐ |
| Four ☐ $450 | ☐☐☐☐ | ☐☐☐☐ |

*☐ **Student status letter enclosed**

**U.S. $_____ Conference fee**
**U.S. $_____ Tutorial fee**
**U.S. $_____ TOTAL ENCLOSED**

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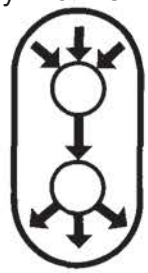

IJCNN
INTERNATIONAL
JOINT CONFERENCE
ON NEURAL NETWORKS

## *Tutorials*

Thirteen tutorials are planned for Sunday, June 17, 1990.

1. **Adaptive Sensory-Motor Control**
   *Stephen Grossberg, Boston University*
2. **Associative Memory**
   *Bart Kosko, University of Southern California*
3. **Chaos for Engineers**
   *Leon Chua, UC Berkeley*
4. **Dynamical Systems Review**
   *Morris Hirsch, UC Berkeley*
5. **LMS Techniques in Neural Networks**
   *Bernard Widrow, Stanford University*
6. **Neural Network Applications**
   *Robert Hecht-Nielsen, HNC*
7. **Neurobiology I: Neurons and Simple Networks**
   *Walter Freeman, UC Berkeley*
8. **Neurobiology II: Advanced Networks**
   *Allen Selverston, UC San Diego*
9. **Optical Neurocomputers**
   *Demitri Psaltis, CalTech*
10. **Reinforcement Learning**
    *Andrew Barto, University Massachusetts, Amherst*
11. **Self-Organizing Feature Maps**
    *Teuvo Kohonen, Helsinki University*
12. **Vision**
    *John Daugman, Harvard University*
13. **VLSI Technology and Neural Network Chips**
    *Lawrence Jackel, Bell Laboratories*

Each tutorial will last 2 hours and may be presented up to 3 times, depending on demand. Tutorials are $125 each or 4 for $450. Registration will be on a first-come, first-served basis. Early registration is strongly advised, as the tutorials are expected to fill up rapidly. **Only registered conference participants may register for tutorials.**

## *IJCNN 90 SAN DIEGO Exhibit Information*

Exhibitors will present the latest innovations in neural networks, including neurocomputers, VLSI neural networks, implementations, software systems and applications. We are expecting a large and enthusiastic collection of vendors and meeting registrants. IJCNN is the neural network industry's largest trade show. Potential exhibitors should plan to sign up early for exhibit booths, since exhibit space is reserved on a first-come, first-served basis. Vendors may contact Richard Rea at (619) 222-7447.

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# IJCNN 90 SAN DIEGO, CALIFORNIA JUNE 17-21, 1990

## CALL FOR PAPERS — *Deadline: February 1, 1990*

The Institute for Electronic and Electrical Engineers (IEEE) and the International Neural Network Society (INNS) invite all persons interested in the field of neural networks to submit papers for possible presentation at the conference.

Papers must be received by February 1, 1990. Submissions received after February 1 will be **returned unopened.** All submissions will be acknowledged by mail. International authors should submit their work via Air Mail or Express courier so as to ensure timely arrival.

Papers will be reviewed by senior researchers in the field, and all authors will be informed of the decisions at the end of the review process. A limited number of papers will be accepted for oral and poster presentation. All papers accepted for oral presentation will be published in full in the conference Proceedings, expected to be available at the conference for distribution to all regular conference registrants. Only the abstracts of all papers accepted for poster presentation will be published.

Papers may be submitted for consideration as oral or poster presentations in the following sessions:

- Applications I
- Applications II
- Associative Memory
- Electrical Neurocomputers
- Image Processing
- Invertebrate Neural Networks
- Machine Vision
- Neurocognition
- Neuro-Dynamics
- Optical Neurocomputers
- Optimization
- Robotics and Control
- Sensation and Perception
- Sensorimotor Control Systems
- Supervised Learning
- Unsupervised Learning

**REQUIREMENTS**

Eight copies (one original and seven copies) are required for submission. Do not fold or staple the original, camera-ready copy. Papers of no more than 6 pages, including figures, tables, and references, should be written in English, and only complete papers will be considered. There will be a charge of $50 per page for papers exceeding six pages.

Papers must be submitted camera-ready on 8½″ × 11″ white bond paper with 1″ margins on all four sides. They should be prepared by typewriter or letter-quality printer in one-column format, single-spaced, in Times or similar type style of 10 points or larger, and should be printed on one side of the paper only. FAX submissions are not acceptable.

Centered at the top of the first page should be the complete title, author name(s), affiliation(s) and mailing address(es). This is followed by a blank space and then the abstract, up to 15 lines, followed by the text.

In an accompanying letter, the following must be included:

- Corresponding author:
  name
  mailing address
  telephone and FAX numbers
- Technical session:
  1st choice
  2nd choice
- Presentation preferred:
  oral
  poster
- Presenter:
  name
  mailing address
  telephone and FAX numbers

**SEND PAPERS TO:**

IJCNN 90, San Diego
Meeting Management
5665 Oberlin Drive, Suite 110
San Diego, CA 92121 USA
Phone: (619) 453-6222

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# IJCNN 90

## *Conference Chairs:*
**Joseph Goodman, Walter Karplus**

## *Program Chairs:*
**Walter Freeman, Bart Kosko**

***Program Committee:*** Shun-ichi Amari, James Anderson, Richard Anderson, Jacob Barhen, Rama Chellappa, John Daugman, Nicholas DeClaris, Rolf Eckmiller, Charles Elbaum, Nabil Farhat, Jack Feldman, Walter Freeman, Lee Giles, Joseph Goodman, Clark Guest, Dan Hammerstrom, Robert Hecht-Nielsen, Morris Hirsch, James Houk, Lawrence Jackel, Walter Karplus, Harry Klopf, Bart Kosko, Teuvo Kohonen, Michael Kuperstein, John Miller, Sei Miyake, Edward Rosenfeld, Tom Schwartz, Terrence Sejnowski, Allen Selverston, Wolf Singer, Michael Turvey, Christoph von der Malsburg, William Warren, Paul Werbos, Bernard Widrow, Barbara Yoon

***Organizing Commitee:*** **Tony Materna, Dick Rea, Pat Simpson**

## *Conference Schedule*

| | | |
|---|---|---|
| **SUNDAY, JUNE 17** | 8:00 am – 6:00 pm | **Tutorials** |
| | 6:00 pm – 8:00 pm | Welcome Reception |
| | 8:00 pm – 10:00 pm | Industry Panel:<br>*Edward Rosenfeld* – Intelligence<br>*Tom Schwartz* – TSA |
| **MONDAY, JUNE 18** | 8:00 am – 12 noon | **Technical Sessions:**<br>Applications I<br>Invertebrate Neural Networks |
| | 1:00 pm – 5:00 pm | **Technical Sessions:**<br>Applications II<br>Image Processing |
| | 12 noon – 1:30 pm | Bioengineering Panel:<br>*Nicholas DeClaris* |
| | 8:00 pm – 10:00 pm | **Plenary Sessions:**<br>*James Burke,* "Connections"<br>*Carver Mead,* CalTech |
| **TUESDAY, JUNE 19** | 8:00 am – 12 noon | **Technical Sessions:**<br>Supervised Learning<br>Associative Memory |
| | 1:00 pm – 5:00 pm | **Technical Sessions:**<br>Unsupervised Learning<br>Sensation and Perception |
| | 8:00 pm – 10:00 pm | **Plenary Sessions:**<br>*Vernon Mountcastle,* Johns Hopkins |
| **WEDNESDAY, JUNE 20** | 8:00 am – 12 noon | **Technical Sessions:**<br>Electrical Neurocomputers<br>Sensorimotor Control Systems |
| | 1:00 pm – 5:00 pm | **Technical Sessions:**<br>Optical Neurocomputers<br>Machine Vision |
| | 6:00 pm – 8:00 pm | Party |
| | 8:00 pm – 10:00 pm | Government Panel:<br>*Barbara Yoon,* DARPA |
| **THURSDAY, JUNE 21** | 8:00 am – 12:00 noon | **Technical Sessions:**<br>Robotics and Control<br>Neuro-Dynamics |
| | 1:00 pm – 5:00 pm | **Technical Sessions:**<br>Neurocognition<br>Optimization |

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## *Plenary Speakers*

**James Burke** – Keynote Speaker
Award-winning creator and host of the popular PBS TV series
*"Connections"* and *"The Day the Universe Changed"*

**Carver Mead,** CalTech

**Vernon Mountcastle,** Johns Hopkins

## *Session Chairs*

| | |
|---|---|
| **Applications I** | **Lee Giles,** NEC Research<br>**Terrence Sejnowski,** Salk Research Institute |
| **Invertebrate Neural Networks** | **John Miller,** UC Berkeley<br>**Allen Selverston,** UC San Diego |
| **Applications II** | **Charles Elbaum,** Brown University<br>**Robert Hecht-Nielsen,** HNC |
| **Image Processing** | **Rama Chellappa,** University of Southern California<br>**John Daugman,** Harvard University |
| **Supervised Learning** | **Paul Werbos,** National Science Foundation<br>**Bernard Widrow,** Stanford University |
| **Associative Memory** | **James Anderson,** Brown University<br>**Teuvo Kohonen,** Helsinki University |
| **Unsupervised Learning** | **Harry Klopf,** Wright-Patterson AFB<br>**Bart Kosko,** University of Southern California |
| **Sensation and Perception** | **Richard Anderson,** MIT<br>**Wolf Singer,** Max-Planck Institute |
| **Electrical Neurocomputers** | **Dan Hammerstrom,** Oregon Graduate Center<br>**Lawrence Jackel,** Bell Laboratories |
| **Sensorimotor Control Systems** | **Jack Feldman,** UC Los Angeles<br>**James Houk,** Northwestern University |
| **Optical Neurocomputers** | **Nabil Farhat,** University of Pennsylvania<br>**Clark Guest,** UC San Diego |
| **Machine Vision** | **Sei Miyake,** NHK Laboratories<br>**Christoph von der Malsburg,** University of Southern California |
| **Robotics and Control** | **Rolf Eckmiller,** University of Düsseldorf<br>**Michael Kuperstein,** Neurogen |
| **Neuro-Dynamics** | **Shun-ichi Amari,** Tokyo University<br>**Morris Hirsch,** UC Berkeley |
| **Neurocognition** | **Michael Turvey,** University of Connecticut<br>**William Warren,** Brown University |
| **Optimization** | **Jacob Barhen,** Jet Propulsion Laboratory |

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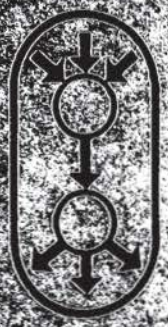
# IEEE Council on Neural Networks AdCom Meeting

6:30 P.M., Tuesday, June 19, 1990,

Torrey Room, San Diego Mariott



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mt. Student
I Soc. for NN's

President's Report

5. Meeting

Hard Copy

Thank you for reelection

1. New Member Societies
   Oceanic Eng.
   Industry Applications

2. IEEE TAB Continues to be concerned about our meetings practices. I have assured them.

★ Report to Dov Jaron (after '89 IJCNN audit report

3. Burke 6/89 letter $7500 ($2500 off)

TAB 3

Ad Com Action in Nov '89

Burke's agent told in March (France)

I called in April, followed with a letter

Burke letter response (sue?)
$3750

Called IEEE → UP TO US
→ Legal fees from NNC Fund

~~Thi~~ Bad Part: Burke's name.
My decision is not to pay.

4. List Ad Com can overule or endorse.

3. Appointing an Ad Hoc Commitee Student Support INNSas

4. ~~Good side~~
⇒ ~~Future looks bright~~
★ ~~Meetings~~
★ ~~Publications~~

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## Proposed Agenda

# *IEEE Council on Neural Networks AdCom Meeting*

*6:30 P.M., Tuesday, June 19, 1990, Torrey Room, San Diego Mariott*

- Approval of Agenda

- Election of Officers for 1991
  - ° Herb Rauch, Nominating Committee Chair ⇒TAB 1⇒

- Approval of Minutes of January 16, 1990 AdCom Meeting ⇒TAB 2⇒

- Consent Agenda ⇒TAB 3⇒
  1. NNC Support of TAB Colloquia
  2. Standing Committee Appointments

- Officer and Committee Reports
  - Officer Reports
    - ° President's Report (Marks) ⇒TAB 4⇒
    - ° Vice-President's Report (Eberhart)
    - ° Treasurer's Report (Simpson) ⇒TAB 5⇒
    - ° Secretary's Report (Tzanakou)
    - ° Editor's Report (Rauch) ⇒TAB 6⇒
  - Standing Committee Reports
    - ° Meetings Committee (&IOC) (Nutter)
      - * *IOC* (Nutter)
      - * *IJCNN Summer '90* (Karplus)
      - * *IJCNN* Autumn '91 (Low)
        (budget & organizing committee) ⇒TAB 7⇒
      - * *IJCNN Summer '92* (status) (Eberhart)
      - * NNC Forums (Marks) ⇒TAB 8⇒
    - ° Awards Committee (Dickinson)
    - ° Publications Committee Report (Caudill)
  - *Ad Hoc* Committee Reports
    - ° Newsletter (Caudill/Rauch)

- Old Business

- New Business
  - *Surplus sharing with NNC Societies* (Snyder) ⇒TAB 9⇒
  - *Amendment* (Marks) ⇒TAB 10⇒

- ADJOURN

- APPENDICES
  - AdCom Members ⇒TAB 11⇒
  - IEEE NNC/INNS IJCNN Agreement ⇒TAB 12⇒

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Other Meetings:

NNC Meetings Committee ... Roy Nutter, Chair
11:30 June 18, Chicago Room, San Diego Mariott

IJCNN Oversight Committee ... Bernie Widrow, Chair
6:30 June 18, Chicago Room, San Diego Mariott

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# TAB 1

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IEEE

# NEURAL NETWORKS COUNCIL

Herbert E. Rauch, Editor
**IEEE TRANSACTIONS ON NEURAL NETWORKS**
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA
(415) 424-2704
Fax: (415) 424-2662

May 7, 1990

TO - IEEE NEURAL NETWROKS COUNCIL

PRELIMINARY REPORT OF NOMINATION COMMITTEE

The three members of the Nomination Committee of the IEEE Neural Networks Council are Herbert E. Rauch (Chair), Anthony Ephremides, and Anthony Michel. The current officers of the IEEE Neural Networks Council are

Robert Marks, President
Russel Eberhart, Vice President
Evangelia Tzanakou, Secretary
Patrick Simpson, Treasurer

On Tuesday, June 19, at the meeting of the NNC, the election will take place for NNC officers to serve in 1991. The NNC Constitution states "No person shall be eligible to serve more than two consecutive one year terms for the same office." Since the NNC has been in existence since January 1, 1990, each of the current officers is eligible to serve a second one year term in the same office in 1991. As Chair of the Nomination Committee, I have contacted the current officers and ascertained that each of the current officers is willing to serve one more year in the same office. At this time no other nominations have been received.

Additional nominations can be made before the June 19 meeting by contacting any member of the Nomination Committee or they can be made from the floor at the NNC meeting on June 19. We look forward to seeing you at the June 19 meeting.

Herbert E. Rauch
Chair, NNC Nominations Committee



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# TAB 2

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**Minutes**
Neural Networks ADCOM meeting
Jan 16, 1990

| | Abbreviation | Name | Affilitation |
|---|---|---|---|
| | RM | Robert J. Marks II | CAS |
| | RE | Russ Eberhart | EMBS |
| | TF | Toshio Fukuda | Industrial Electronics |
| | SL | Stephen Luse | Ocean.Soc. (for Simpson) |
| | WS | Wes Snyder | Robotics and Automation |
| | KK | Kathleen Kirkpatrick | OES (for R. Trueblood) |
| | MR | Michael W. Roth | IEEE Trans NNs |
| | TK | Teuvo Kohonen | ICANN-91 conf |
| | RN | Roy Nutter | IAS |
| **Attending** | RS | Rosalyn Snyder | Communication Unlimited, Inc. |
| | MC | Maureen Caudell | INNS |
| | AF | Albert W. Friend AESS (observer) → AESS liason repres. (1) | |
| | WK | Walter J. Karplus | IJCNN-90 |
| | NC | Nicholas DeClaris | SMC |
| | DB | Don E. Brown | SMC |
| | BN | Robert Newcomb | CAS |
| | | Observers only: | |
| | | Rolf Eckmiller | ICNC, NSMS in FRG/1990 |
| | | Igor Aleksander | ICANN 91 Prog chair |

The meeting was called to order at 6:35pm.

RE reviewed the minutes of the Denver meeting. The minutes were revised as follows: Page 1, second line from bottom: replace "financial chair" with "IEEE liason to the Financial Chair". Page 3, second paragraph: reword to read "A. Ephremides reported on the volunteer restructuring proposal." RE moved, RB seconded approval of minutes. Passed.

RM reported. Most things going well. MC will chair publications committee.

RE gave treasurers report: Current net worth of the council $\approx$ 100K. Until the council's net worth is equal to or greater than six month's operating expenses, or about 300K, no disbursements to the member societies will occur.

MR gave the editor's report: We still don't know how many subscriptions to expect. RE reported that as of late December, we had over 2200 paid subscribers.

BN gave the report of the Meetings committee: He passed out the IOC agreement and the meetings schedule. He announced that the Paris Conference and the Helsinki Conference now agree to follow IEEE guidelines. The meetings committee is considering sponsorship of workshops and small symposia.

WK reported on the 90 ~~San Diego~~ conference: Planning is well under way. He is concerned about attendance. The conference budget includes:

WK.



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1) Travel support for session organizers
2) Money for tutorial speakers: 3500 for 3 lectures, plus 12.50 per attendee, with a ceiling of 5K. They do not get travel.
3) Funds for a keynote speaker.
The budget is a NOT-TO-EXCEED budget. Chairs will not exceed the budget without authorization.

RM reported that there was concern on TAB about the session chair travel.

RM gave the nominations committee report: Herb Rauch is chair. RE reported that he is nominating Pat Simpson for Treasurer. Brad Dickinson has agreed to chair the awards committee.

RE reported on the ad-hoc committee on standards: The initial standards committee task is a glossary. He gave an open invitation to ADCOM members to join the committee. He is also looking for participation from industry and academics. The first meeting of the committee will be in San Diego.

RM asked for proposals for specialized workshops. For example, Neural Networks in Robotics and Automation.

RE reported on registration of the logo: It it proceeding.

The Industrial Applications Society and Oceanographic Engineering Society are both petitioning to join the council.

RS presented a proposal for a Newsletter to be distributed to Transactions subscribers. MC stated that the proposal seemed reasonably priced and would bring in lots of ads. RM expects 10,000 subscribers. ND suggested that the Newletter was not a good idea.

A recess was called. ND made a request to know the total membership and what is the required membership for a quorum. RM ruled the request to be out of order. RM indicated that his ruling could be overridden, and asked for motions to override his ruling. No motion was made.

RM went through his list of committee appointments, and asked for advice and consent:
MC chair of publications.
BN chair of meetings

At this point, ND expressed reservations concerning the appointment process, and BN presented the option of dividing the ticket, that is, voting on each appointment separately. ND suggested that appointments be only council members. RM replied: Dickinson is a member (control soc)
Tsanaku is a member ex officio (she is secretary)
Newcomb is a member (C & S)
Rauch is a member (Control)
RM then went through the list one at a time and asked if there were objections.

Nominations were taken for Treasurer of the Council: RE nominated Pat Simpson: "I nominate Pat Simpson, San Diego, CA, as Treasurer of the Neural Networks Council of the IEEE"



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ND nominated TF: "I place in nomination for treasurer the name of Dr. Toshio Fukuda"
RE spoke in support of Simpson: He was finance chair of the 87 conference and is experienced and well respected. ND spoke in support of TF: The treasurer should be a member of the council who is nominated to represent a society. ND pointed out that he only met TF today, and was impressed. ND asked for a count of voting members. RM listed the voting members. The vote was taken by secret ballot. Simpson won, 5 to 3.

RE moved to approve the petition for IAS membership. BN seconded. RE expressed a concern about future petitions, stating that a procedure would need to be set up so that future societies don't simply wait until the council began disbursing funds to its members and then join. The motion passed. TAB must still approve, and upon TAB approval the membership of IAS will be retroactive to Jan 1, 90.

KK moved to approve the petition for OES membership. SL seconded. (It was pointed out that one did not have to be a council member to make or second a motion, but did have to be a member to vote on the motion). The motion passed.

ND moved and RE seconded a motion to approve the budget of the San Diego conference. WK indicated a typo on the budget: "Best estimate" should be for 2000 attendees, not 2400. WK indicated a concern that he did not yet have printing costs. Motion passed unanimously.

RE made the following motion: "Session chairs or moderators are not compensated by the conference for travel expenses incurred as a result of the job, beginning in 1990". ND seconded. RE interpreted the meaning of the phrase "result of the job": This is not intended to preclude a general chair or other distinguished person, who is *also* a session chair, from being reimbursed. RE called the question. Motion to call the question carried 5-3. Motion passed.

BN made the following motion: "The NNC be in cooperation with the INNC of July 9, 1990 in Paris and the ICANN-91 of June 24, 1991 in Helsinki without any further concessions on the part of IEEE." Seconded by RE. Passed unan.

ND pointed out that his name was included as program chair in the Paris Conference brochure without his approval or knowledge.

RM asked MC to discuss with Herb Rauch the concept of a newsletter and to propose something at the June ADCOM meeting.

RE made the following motion: "I move the approval of the agreement and bylaws between the IEEE Neural Networks Council and the International Neural Network Society dated 1/15/90." BN seconded.
ND suggested that the agreement should be circulated to the member societies and discussed at a later ADCOM meeting. RE stated that there were no significant changes between the proposed agreement and the version approved at the Denver meeting. ND said he had never seen this. RE pointed out that an earlier version went to all ADCOM members. DB asked if an email vote could be taken. RM said yes, it was possible. TF asked ND why he was objecting. RE



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stated that there were bylaws included in the earlier mailing. ND asked why the IEEE would ever give leadership of a conference to the INNS. ND stated that there were 20 members of the ADCOM, maybe the agreement draft was mailed, but those members were not there, and they should have the opportunity to vote. TF pointed out that he had come all the way from Japan to attend this meeting and that those members indeed should be there, and when they were not there, that was their problem. The motion passed with ND abstaining.

RE made the following motion: "I move that the NNC president establish an NNC financial support committee in accordance with Paul Werbos' motion passed by the IOC on January 15, 1990." BN seconded. The motion passed.

BN made the following motion: "I move that meetings 7-12 of the page *IOIC proposed IJCNN meetings Dates/locations* of 1/15/90 be approved in principle." ← Attach
Seconded by RE. ND pointed out that there has been a constant stream of the same INNS people involved, and that we should get more people involved. The motion passed unan.

TF made the following motion: "It is moved that the meeting committee chair be given the right to appoint the co-general chairmen of the 1991 Singapore conference." Seconded RE. Motion passed.

The next meeting will be June 19, in San Diego.

Meeting adjourned at 10:30.

● Snyder - pro tem
Marks - edit & print.



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# TAB 3

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IEEE

COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

# *Proposed Consent Agenda*

## *ITEM 1: NNC Support of the TAB Colloquium*

The NNC consents that up to $4000 each for expenses relating to the participation of AdCom members, Evangelia Tzanakou and Herb Rauch in the South American IEEE Colloquium.

Background: (From a letter mailed to AdCom members on 2-22-90):
**TAB Tour**
This year, TAB will hold a colloquium tour in South America. Last year, AdCom members Richard Lippmann and Russ Eberhart, represented us in the Asian tour. I have appointed them to specify two representatives of the Council for this year's tour. The appointment is required by May first, although an earlier response is requested. As was the case last year, the Council will be supporting a portion of the travel expense.

## *ITEM 2: Appointment*

The NNC consents to the appointment of Roy Nutter as the Chair of the NNC Meetings Committee for 1990-91.

Sing → Low → Conf_Comm
ITEM 3: Conf. Chair → Clifford Lau
→ Fukuda



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# TAB 4

The items in this tab are information items in regard to the President's report.

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
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marks@blake.acs.washington.edu

2-22-90

Dear NNC AdCom Members:

I have just attended the *IEEE Technical Activities Board* (TAB) in Charlotte, North Carolina and wish to report to you on some developments there and officially inform you of items to be considered at our next AdCom.

### New Members

First, I am delighted to inform you that both the *Oceanic Engineering Society* and the *Industry Applications Society* have both been approved by TAB for membership in the NNC. Their membership will be retroactive to January 1, 1990.

### Proposed Amendments

Some concern was expressed by some of the "founding" NNC Society Presidents. James Tien, current President of *Systems, Man & Cybernetics*, has proposed the amendments below to our constitution and bylaws. In order to amend the constitution, a two thirds AdCom vote and TAB approval is required. Bylaws can be changed by a majority vote of the AdCom.

**** Constitution:***

*Article III, Section 1. Change to*

THE COUNCIL SHALL BE COMPOSED OF IEEE SOCIETIES WHICH HAVE DEMONSTRATED A STRONG INTEREST IN NEURAL NETWORKS AND ARE SUPPORTING TECHNICAL ACTIVITIES IN THE FIELD. THERE ARE TWO SOCIETY MEMBERSHIP CATEGORIES. THE FIRST IS THE FOUNDING MEMBER SOCIETIES: *CIRCUITS & SYSTEMS, COMMUNICATIONS, CONTROL SYSTEMS, ENGINEERING IN MEDICINE & BIOLOGY, INDUSTRIAL ELECTRONICS, INFORMATION THEORY, LASERS & ELECTRO-OPTICS, ROBOTICS & AUTOMATION, SIGNAL PROCESSING, SYSTEMS, MAN & CYBERNETICS).* OTHER SOCIETIES CAN BE ADMITTED AS REGULAR MEMBER SOCIETIES. ALL MEMBER SOCIETIES MUST AGREE TO SHARE IN THE RESPONSIBILITIES OF THE COUNCIL IN ACCORDANCE WITH THIS CONSTITUTION AND THE COUNCIL BYLAWS. ONLY THE FOUNDING MEMBER SOCIETIES SHALL SHARE THE FINANCIAL OBLIGATIONS AND SURPLUS OF THE COUNCIL.

*Article VI, Section 1.*

Change MEMBER SOCIETIES to FOUNDING COUNCIL MEMBER SOCIETIES.

**** Bylaws:***

*Article V, Sections 3 & 4:*

Change COUNCIL MEMBER SOCIETY to FOUNDING COUNCIL MEMBER SOCIETY in all three instances. Note that adoption of this amendment makes sense only if the Constitution is amended as above.



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## Multinational Actions

In line with IEEE's commitment to increase international activity, TAB voted to:

1. ...sponsor, cosponsor and cooperate in conferences and other activities outside of regions 1-7 (North America). It seems to me that we are doing this already.
2. ...occasionally hold board meetings outside of regions 1-7. This affects the NNC by an increase of the cost of representation at TAB at these meetings.

## TAB Tour

This year, TAB will hold a colloquium tour in South America. Last year, AdCom members Richard Lippmann and Russ Eberhart, represented us in the Asian tour. I have appointed them to specify two representatives of the Council for this year's tour. The appointment is required by May first, although an earlier response is requested. As was the case last year, the Council will be supporting a portion of the travel expense.

## Nominations Committee

At our AdCom meeting at the summer AdCom, we will hold elections for the four Council officers for the calendar year 1991. The four elected officers are: President, Vice-President, Treasurer and Secretary. Please direct your nominations to a member of the NNC Nominations Committee:

Herbert E. Rauch, Chair
Lockheed
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-2704

Anthony Ephremides
Electrical Engineering Department
University of Maryland
College Park, MD 20742
(301) 454-6871
FAX: (301) 454-1837

Anthony N. Michel
Dean, College of Engineering
Dept. of Electrical Engineering
University of Notre Dame
Notre Dame, IN 46556
(219) 239-5534

## Absence

I will be in France during the month of March. During this period, Russ Eberhart, NNC Vice-President, will serve as Acting President of the NNC.

Sincerely,

Robert J. Marks II, President
IEEE Neural Networks Council

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**COUNCIL ON NEURAL NETWORKS**

Robert J. Marks II
**President**

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Tel.: (206) 543-6990
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marks@blake.acs.washington.edu

4-11-90

Carlton S. Sedgeley
Royce Carlton Incorporated
866 United Nations Plaza
New York, NY 10017-1880

Dear Mr. Sedgeley,

As I told you on the phone, the *IEEE Council on Neural Networks* is disappointed that your agency found our counter offer for the services of James Burke unnacceptable.

The Council has approval authority on all budgetary items concerning the *International Joint Conferences on Neural Networks* (IJCNN). All of the principals of the conference were made aware of this in a letter from me dated June 12, 1989 which, in regard to the IJCNN, stated

> "Any expenditures that are not included in the approved budget will not be honored. They will, rather, be considered the personal responsibility of the person or persons making the financial commitment."

I hope that this authority was not presented to you otherwise.

I extend to you my personal best wishes in the future success of your enterprise.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Laura Jobmann, IEEE Conference Service
Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Walter Karplus, IJCNN Chair



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Royce Carlton INCORPORATED
AGENTS, MANAGERS AND BROKERS FOR SPEAKERS

866 United Nations Plaza
New York, NY 10017
(212) 355-7700
Fax (212) 888-8659

May 14, 1990

Robert J. Marks II, President
IEEE Council on Neural Networks
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195

Dear Mr. Marks,

Thank you very much for your letter in April which I must say was very distressing.

Since contracting with you folks for JAMES BURKE back in September 29, 1989, I have had several conversations with Bart Kosko about one thing or another, including the difficulties he was experiencing with first class air travel. I reminded Bart Kosko that Mr. BURKE had reduced his fee $2,500.00 as a favor to him, but could not go coach or business class as he simply is too many hours in a plane each year. Bart Kosko assured me that all would be resolved.

Further, we had assurances from Nomi Feldman, your Conference Consultant that everything was proceeding to her knowledge as was planned...she even sent me a brochure announcing JAMES BURKE at the Conference. I was told that the delay in sending the signed contracts and deposit was a function of a lumbering bureaucracy.

Then, in late March JAMES BURKE was having some difficulty with his filming schedule for a two-part program called "After the Warming" for Maryland PBS. He mentioned that he may very well be coming from Australia to San Diego just for the day and back to Japan. However, he assured me that he would pay the difference in air fare from roundtrip first class London out of his own pocket, as he had agreed to do the speech some time ago.

To alert Bart Kosko of the difficulties Mr. BURKE was having in scheduling and to tell him of the potential added air fare, and how we were going to resolve it, I called Mr. Kosko to advise him. He then told me that he was having some further difficulty in that the committee indicated that the most that they could now come up with for the fee was $5,000. and possibly business class air fare. I immediately said "no" and noted once again that we had already made a final agreement for a fee $2500. less than Mr. BURKE's association fee. He then indicated that he could not go ahead with the original contract, but agreed that we should receive a cancellation fee as would have normally occurred if our contract was cancelled.

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Bart Kosko then asked that I speak with Walter Karplus, IJCNN, Chairman who also understood our position and agreed that Mr. BURKE receive a cancellation fee as this cancellation came after all these months and Mr. BURKE had not been dealt with properly.

After the above sequence of telephone calls and events, we had our conversation by telephone and then I received your letter of April 21, 1990.

You mentioned in your letter that as of June 12, 1989, it was made quite clear to everyone that no speaker was to be considered unless it fit within a predetermined budget. It seems very strange to me that we contracted for JAMES BURKE on September 29, 1989 with Bart Kosko which appeared to be agreeable at that time. There was obviously some miss communications.

Please find an invoice for $3,750. which will be hopefully honored by the Council on Neural Networks. This represents the deposit which would have accompanied the signed contracts for JAMES BURKE. This deposit would have been forefited should you have then cancelled the contract as written...which you finally did.

Thank you.

Very sincerely yours,

Carlton S. Sedgeley
President

CSS:em
enc.
cc: James Burke
Bart Kosko, IJCNN-90 Program Co-Chair
Nomi Feldman, Conference Consultant

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# Contract

Copy

No. 9438

Sedgeley-C
105/61890

This contract "entered into" as of *September 29, 1989* by and between ROYCE CARLTON, INC., 866 United Nations Plaza, New York, NY 10017-1880, the duly authorized agency of the speaker, hereafter referred to as "Agency" and

*International Joint Conference on Neural Networks (IJCNN-90)*
*IEEE/INNS*
*c/o Bart Kosko, 3367 Garden Terrace Ln, Hacienda Hts., CA 91745*

hereafter referred to as "Sponsor." Agency will provide the services of

James Burke

hereafter referred to as "Speaker," to lecture (perform) at the date, time and place specified below.

DATE: *Monday, June 18, 1990* TIME: *7:00 PM*

PLACE: *San Diego Marriott Hotel and Marina*

OTHER ACTIVITIES: *6:00 PM - Dinner*

Sponsor shall provide a well heated, lighted and proper place for the lecture, in good condition, together with all necessary stage accessories and properties.

TOPIC: *Connections: Mechanisms of Change - Do Lemons Whistle?*

No lecture or program or any part thereof is to be reproduced, including but not limited to the reproduction by broadcasting, video-taping or tape recording, without the written permisson of the Agency or Speaker.

Sponsor agrees to pay Agency as consideration for Speaker's services the amount set forth under "TERMS" below. Payment shall be made immediately following the completion of the Speaker's engagement and mailed to : ROYCE CARLTON, INC., 866 United Nations Plaza, New York, New York, 10017-1880. Federal Tax Identification Number for ROYCE CARLTON, INC. is 13-2623502. If applicable, any and all city, state and federal amusement taxes shall be paid by Sponsor.

**TERMS: $7500. plus first class travel and accommodations (50% due upon signing) (special low fee-confidential)**

It is understood that this Contract is binding on both parties; it cannot be cancelled except as follows: The Agency and Sponsor mutually agree that either party may cancel this contract and all parties shall be released from any liability or damages hereunder, if the Speaker or Sponsor is unable to fulfill the terms of this contract due to an act of God or any other legitimate conditions beyond the control of the Speaker or the Sponsor. However, it is agreed by both parties that "best efforts" will be made by both parties to so adapt that the lecture be presented as scheduled.

CONTACT(S):

Bart Kosko, Ph.D.
IJCNN-90 Program Co-Chair
3367 Garden Terrace Ln
Hacienda Hts., CA 91745

(213) 743-6581 (B)
(818) 330-5415 (H)/330-9723 (FAX)

Nomi Feldman - Conference Consultant
Meeting Management
5665 Oberlin Dr.
Suite 110
San Diego, CA 92121

(619) 453-6222 (B)

The representative of Sponsor, in signing this Contract, warrants that (s)he signs as a duly authorized representative of the Sponsor and does not assume any personal liability. The Agency representative warrants that the Agency has express authority to sign on behalf of the Speaker.

Your signed copy of the Contract is acknowledgement that Speaker has accepted this engagement and has agreed to appear at the time and place specified above. ROYCE CARLTON reserves the right to withdraw this offer should this contract not be received within thirty (30) days of the date "entered into."

This Contract is governed by the laws of the State of New York and cannot be changed except in writing and signed by both parties.

IEEE/INNS

BY: _____

Royce Carlton, Inc.

BY: _____
Carlton S. Sedgeley - President

Please sign all three copies of this Contract, retain the SPONSOR COPY (BLUE) and return the SPEAKER COPY (YELLOW) and AGENCY COPY (WHITE) to ROYCE CARLTON, INC., 866 United Nations Plaza, New York, New York, 10017-1880.

Sponsor will receive an invoice and Speaker's itinerary approximately one week before engagement.

## ADDITIONAL INFORMATION

ATTENDANCE: DRESS: Business FUNCTION: Annual Meeting

SUGGESTED HOTEL: San Diego Marriott Hotel and Marina, 333 W. Harbor Dr., San Diego, CA 92101-7709 (619) 234-1500

SPONSOR WILL: ☒ MAKE HOTEL RESERVATIONS ☒ PROVIDE TRANSPORTATION TO AND FROM AIRPORT

TRANSPORATION: San Diego Int'l Airport

CONTACT ON ARRIVAL: Nomi Feldman SEND INVOICE TO: Bart Kosko, Ph.D.

AGENCY WILL PROVIDE: 2 PHOTOGRAPHS 2 BIOGRAPHICAL DATA

THIS CONTRACT FORM ENDORSED BY
*National Association for Campus Activities and International Platform Association*

Agency Copy (White Copy) - Speaker Copy (Yellow Copy) - Sponsor Copy (Blue Copy)

866 United Nations Plaza, New York, NY 10017-1880
(212) 355-7700 FAX (212) 888-8659

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UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

*Interactive Systems Design Laboratory*
*Department of Electrical Engineering, FT-10*
*Telephone: (206) 543-6990 (office), 543-6061 (secretary),*
*543-2150 (main office), 543-3842 (FAX).*
*marks@blake.acs.washington.edu*

June 12, 1989

Prof. Walter Karplus, General Co-Chair
*International Joint Conference on Neural Networks*, Summer 1990
3732 Boelter Hall
*UCLA*
Los Angeles, CA 90024

Prof. Joseph W. Goodman, General Co-Chair
*International Joint Conference on Neural Networks*, Summer 1990
Dept. of Electrical Engineering
Stanford University
McCullough 150
Stanford, CA 94305-4055

Dear Joe and Walter:

On behalf of the *IEEE Neural Networks Committee* (NNC), thank you for agreeing to be the General Co-Chairs of the Summer 1990 *International Joint Conference on Neural Networks*. Please let me know if there is any way I can be of assistance during your execution of these duties.

In previous IEEE sponsored conferences on neural networks, there have been some problems surface which must not be allowed to reoccur. By this letter, I am informing you of these concerns and direct that they not be allowed to take place in the Summer '90 *IJCNN*.

- Adherence must be given to *IEEE Policies and Procedures, the NNC Charter* and the *IEEE NNC & INNS Agreement* on joint sponsorship of IJCNN's. The last two documents are included in the agenda book for the upcoming NNC meeting that was recently mailed to you.

  A excerpt from the IEEE NNC & INNS Charter, for example, reads "SESSION CHAIRS ARE NOT NORMALLY COMPENSATED FOR THEIR TRAVEL EXPENSES". This policy has been blatantly violated in previous conferences. The problem was compounded by the noninclusion of the expense in the approved conference budget. The IEEE is currently reviewing the matter for possible action.

  This and similar problems can be avoided by timely approval of the conference budget. Any expenditures that are not included in the approved budget will not be honored. They will, rather, be considered the personal responsibility of the person or persons making the financial commitment.

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Any expenditures prior to the approval of the conference budget should be

- consistent with and in the spirit of traditional IEEE conference planning guidelines.
- personally approved by you.

I am willing to officially answer any specific questions that arise in this regard.

♦ In order to help avoid commercialization of the conference and so that there is a coordinated unified voice, all publicity matters - including news releases and press conferences - are your responsibility. I prefer that you do not delegate this responsibility. In past conferences, a number of people associated with the conference have presented themselves as conference spokesmen. Although anyone can speak to the press, only you are authorized to identify yourself as spokesmen for the Summer '90 *IJCNN*. Those affiliated with the conference should direct queries in such matters to you.

As a personal request, I ask that the upcoming *IJCNN* focus more on the current status of engineering and scientific investigation of neural networks and less on futuristic hype. By this approach, I believe that the field will mature in strength and have a healthier future.

Best personal regards,

Robert J. Marks II
NNC Chairman *pro tem*

cc: Walter Freeman, *IJCNN* Summer '90 Program Co-Chair
Bart Kosko, *IJCNN* Summer '90 Program Co-Chair
H. John Caulfield, *IJCNN* Summer '90 Finance Chair
Patrick Simpson, *IJCNN* Summer '90 Local Arrangements Chair
Nicholas DeClaris, *IJCNN Oversight Committee*, Chair
Bernie Widrow, *INNS* Chair

RJM:tsm

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# TAB 5

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# IEEE NEURAL NETWORKS COUNCIL

Patrick K. Simpson, Treasurer
*IEEE Neural Networks Council*
General Dynamics Electronics Division
17436 Ashburton Road
San Diego, CA 92128
619/573-2417

May 13, 1990

Robert J. Marks II, President
IEEE Neural Networks Council
University of Washington
Interactive Systems Design Laboratory
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195

Dear Dr. Marks:

This letter is intended to provide you with the status of NNC fiscal matters as I know them to be at this point. This status report can be included with the distribution materials at the upcoming NNC AdCom in San Diego on June 19, 1990. All numbers in this report are in U.S. dollars except where otherwise noted.

**NNC Financial Status (Estimate)**

The Current Financial Status of the NNC is shown below.

The income from the IJCNN 90 will not be recorded until after the meeting.

The audit of IJCNN 89 should close the books on this conference. The auditor, Ms. Patricia Sbarbaro, was formerly with Coopers & Lybrand when she completed audits of both the 1987 and 1988 IEEE International Conferences on Neural Networks. Ms. Sbarbaro agreed to this audit while at Coopers & Lybrand and for purposes of expedience she has agreed to complete the work at her new place of employment (JG&D).

There has been no seed money provided for the forthcoming IJCNN 91 meeting in Singapore, although I would expect there to be some needed soon.

| | |
|---|---|
| 1990 Income | |
| Transactions on Neural Networks | 4,800 |
| Membership Fees | 12,300 |
| Interest | 1,400 |
| 1990 Expenses | |
| Transactions on Neural Networks | 13,300 |
| IJCNN89 | 1,500 |
| IJCNN90 | 1,000 |
| Ad Com Operations | 7,400 |
| Loans Outstanding | |
| IJCNN90 | 60,000 |



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**Net Worth (Estimate)**

The NNC's net worth is calculated by the IEEE TAB and reported on a bi-monthly basis. The net worth of the NNC for the last three reports is shown below.

| | |
|---|---|
| January 1, 1990 | 216,670 |
| February 28, 1990 | 215,670 |
| April 20, 1990 | 228, 070 |

**Estimated Annual Budget (all numbers in thousands of dollars)**

It has been requested that I prepare an estimate of the annual operating budget for the NNC. It is understood that surpluses of the Council might be shared with Member Societies when the NNC reserves exceed 50% of the annual operating budget. I have prepared a rough estimate of this budget (shown below). I would encourage the members of the AdCom to make comments or suggestions concerning these numbers (Are they reasonable? Did I miss anything? Etc.).

| | |
|---|---|
| Income | |
| Transactions on Neural Networks | 106.0 |
| Membership Fees | 12.5 |
| Interest | 4.8 |
| Conferences | 740.0 |
| Subtotal | 863.3 |
| Expenses | |
| Transactions on Neural Networks | 102.0 |
| Conferences | 600.0 |
| NNC Operations | 15.0 |
| Subtotal | 717.0 |
| Total Surplus (Deficit) | 146.3 |
| 1.5 × Annual Operating Budget | 1075.5 |

With the current net worth state above at $228,000, and a growth rate $146,300 per year plus interest, we will have a Net Worth that exceeds 1.5 times the NNC annual operating budget in about six years (approximately June 1996).

Sincerely,

— Copy —

Patrick K. Simpson
NNC Treasurer



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# TAB 6

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# NEURAL NETWORKS COUNCIL

Herbert E. Rauch, Editor
**IEEE TRANSACTIONS ON NEURAL NETWORKS**
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA
(415) 424-2704
Fax: (415) 424-2662

TO IEEE Neural Networks Council, Associate Editors, and Other Interested Parties

May 7, 1990

SUBJECT Status of Transactions

1990 STATUS The June 1990 issue is going out on schedule. A copy of the contents is enclosed. Because the March 1990 issue was 152 pages and the June 1990 issue is 96 pages that leaves about 32 pages per issue for the September 1990 issue and the December 1990 issue- in order to meet the 1990 total page budget of 320 pages (including 16 pages for covers).

1991 STATUS In 1991 the Transactions will increase to six issues per year with the first issue coming out in January 1991. The page budget will increase 50% to 480 pages (including 24 pages for covers).

SUBSCRIPTIONS The June 1990 issue will go to 8000 subscribers (including about 1000 library subscribers) which is a big increase from the 6000 subscribers for the March 1990 issue. The increased number of subscribers is a real bonus for the Transactions,

SUBMITTALS Up to December 31, 1989, we had 42 papers submitted with 25 acceptances and 17 rejections. Most of the accepted papers were solicited, so the acceptance on unsolicited papers was much less than half. The submittal rate in 1990 has been January- 9 papers; February 10 papers; March 18 papers; and April 12 papers, so we are averaging about 12 papers per month which seems reasonable. In addition, we have received 16 "technical" Letters with 3 accepted and 8 rejected and 5 still under review. It would seem the Letters section will get more popular as people see what kind of Letters we are publishing.

THANKS FOR YOUR HELP We look forward to continued success for the Transactions in this year and next.

Herb Rauch



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IEEE TRANSACTIONS ON

# NEURAL NETWORKS

JUNE 1990 VOLUME 1 NUMBER 2 (ISSN 1045-9227)

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Vol. 1, No. 2, June 1990

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# TAB 7

**Motion: The NNC hereby accepts the budget and Organizing Committee proposed for the 1991 Singapore IJCNN.**

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KJM

# IEEE NEURAL NETWORKS COUNCIL

**Russell C. Eberhart, Ph.D.**
**Vice President**
Telephone: 301-953-5037
Fax: 301-953-1093
E-mail: rce1@aplvm.bitnet

*Please reply to:*
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20707 U.S.A.

May 9, 1990

Dr. Teck Seng Low
Faculty of Engineering
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511

Dear Dr. Low:

The IEEE Neural Networks Council invites you to attend the 1990 International Joint Conference on Neural Networks (IJCNN), to be held June 17-21, 1990, in San Diego, California, U. S. A. At that time, you are invited to present your proposal for hosting the 1991 IJCNN in Singapore. Included should be a proposed conference budget, conference committee assignments, and a plan for successful completion of conference activities.

A meeting of the IJCNN Oversight Committee will be held on Monday, June 18. A meeting of the IEEE Neural Networks Council AdCom will be held on Tuesday, June 19. The proposal will be presented to both groups. I am available to assist you in any way with the presentations. We will also meet with Nomi Feldman of Meeting Management, Inc., sometime during the week.

I would like to meet with you prior to the Oversight Committee meeting. Perhaps we can get together Saturday or Sunday, June 16 or 17.

I look forward to seeing you in San Diego in June.

Very truly yours,

Russell C. Eberhart

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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

IEEE SINGAPORE SECTION

CONVENTIONS

22 JAN 90 12 54z

PLEASE REPLY TO:

×5037
2-208

January 19 1990

Dr. Russell C. Eberhart
The John Hopkins University
Applied Physics Laboratory
John Hopkins Road
Laurel
Maryland 20707-6099
USA

Dear Dr. Eberhart,

Thank you for your fax of 18 January 1990. I am most happy to hear that you and your wife had a pleasant stay in Singapore. All the lectures organised during the TAB visit were very well attended and the feedback on the lecture by you was especially favourable.

The Singapore Section will be most happy to accept the invitation to host the 1991 IJCNN. We have had experience in organising large conferences and handling 1000 pax will not be difficult. With your help and the cooperation of the Council we will certainly be able to organise a conference which will be enjoyed by the attendees. Singapore has all the appropriate facilities and travel to Singapore is convinient and inexpensive.

I will be most happy to Co-Chair the conference with you and the appointment of Dr. Fukuda as Program Chair is a wise choice.

I have already started work on your proposal by meeting the conventions manager of Westin Singapore to fixed the dates of the conference and the arrrangements for meeetings (rooms, meals, etc), banquet and other local arrangements. The facilities at the Westin Convention Centre are very good. I have also discussed other aspects of the conference with my committee and attached are suggestions and proposals from us, and matters that requires clarification and discussion.

I look forward to working with you and the Council. Thank you.

Warm regards,

Dr. Teck Seng Low
Chairman IEEE Singapore Section

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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

IEEE SINGAPORE SECTION

ITEMS FOR DISCUSSION AND CLARIFICATION

1. Dates : 18 - 22 November 1991 (subject to confirmation)

   Venue : Westin Singapore
   No. of Days ?
   No. of meeting room required ?
   (i.e. No of parallel sessions)

2. Committee :

   General ~~Co~~-Chairs : Dr. R.C. Eberhart
   Vice Chairman → Dr. T.S. Low

   Program Chair : Dr. T. Fukuda
   Program Committee : Dr. L.S. Hsu (Rep. Singapore Section)
   Dr. T.H. Lee (Rep. Singapore Section)
   Council Nominees

   Finance Chair : Dr. T.T. Tay
   Council Nominee ←

   Publicity Chair : Council Nominee
   Dr. Loe Kia Fook

   Local arrangements : Dr. L.W.C. Wong
   Dr. Marcelo Ang
   Dr. C.C. Ko

   Publications Chair : Dr. B.T. Tan
   Council Nominee

3. Finance

3.1 Budget :

EXPENDITURE

| | | |
|---|---|---|
| 1. Printing | Call for papers | 6000 |
| | Advance Program | |
| | Program | |
| | Letterheads/envelopes | |
| | Artwork | |
| | Mats | |
| | Proceedings (1500 copies) | 100000 |

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# IJCNN 1991 DRAFT BUDGET

| | 750 attendees (breakeven) | 900 attendees (more likely) |
|---|---|---|
| **INCOME** | | |
| Registration fees | | |
| Full registrations at $300 | $210,000 | $247,500 |
| Students at $100 | 5,000 | 7,500 |
| Publication sales at $90 | 20,000 | 25,000 |
| IEEE Book Broker sales of Proc. | 10,000 | 15,000 |
| TOTAL INCOME | $245,000 | $295,000 |
| **EXPENSES** | | |
| Promotional | | |
| Printing call for papers | $4,000 | 4,000 |
| Printing advance program | 6,000 | 6,000 |
| Printing final program | 3,000 | 3,000 |
| Mailing labels from IEEE | 1,000 | 1,000 |
| Mailing call for papers | 5,000 | 5,000 |
| Mailing advance program | 10,000 | 10,000 |
| Advertising | 5,000 | 7,000 |
| Subtotal | 34,000 | 36,000 |
| Conference Publications | | |
| Printing of authors' kits | 500 | 500 |
| Mailing of authors' kits | 2,000 | 2,000 |
| Printing of Proceedings | 45,000 | 45,000 |
| Shipping costs | 3,500 | 4,000 |
| Subtotal | 50,500 | 51,500 |
| Administrative | | |
| Management fee at $40 per delegate | 30,000 | 36,000 |
| Secretarial support on site | 500 | 500 |
| Stationary | 500 | 500 |
| Telecommunications | 1,000 | 1,000 |
| AV equipment rental | 2,000 | 2,000 |
| Committee expenses | 9,000 | 9,000 |
| Insurance | 1,000 | 1,000 |
| Subtotal | 44,000 | 50,000 |
| Local arrangements | | |
| Conference venue (lunch and two teas at $110/delegate for 3 days) | 77,000 | 99,000 |
| Banquet | 35,000 | 45,000 |
| Subtotal | 112,000 | 144,000 |
| TOTAL EXPENSES | $240,500 | $281,500 |
| PROJECTED SURPLUS | $4,500 | $13,500 |

Exhibits
Tutorials

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# TAB 8

The document in this TAB will be discussed at the Meetings Committee Meeting and may possibly presented to the AdCom in this or another form.

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IEEE

# COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

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5-17-90

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on Neural Networks
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(415) 424-2704

Dear friends,

I'd like you to set aside the morning of Wednesday, June 20th aside for a breakfast meeting of the NNC Executive Committee at the San Diego IJCNN. We'll plan the time for breakfast at our AdCom.

I look forward to seeing you again in San Diego.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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Consent Agenda Addenda:

3. Dr. ~~Teek~~ Low is the General Chair of the Singapore IJCNN in November 1991. Furthermore, consent is given to the Conference Committee proposed by Dr. Low (TAB 7) with the change that Dr. Low is General Chair and Dr. Eberhart is Vice-Chairman.

4. Dr. Clifford Lau is the General Chair for the Baltimore/Washington D.C. IJCNN in summer 1992.

5. Dr. Toshio Fukuda is the General Chair for the Nagoya, Japan IJCNN in ~~su~~ Oct. ~~mmer~~ 1992.

Proposed Agenda Addenda:

Ad hoc Standards Committee Report:
NN Terminology (Tzanakou)

Old Business:
1. IEEE Volunteer Restructuring (Ephremides)
2. NNC Forums (Nutter/Marks)
3. IOC Agreement (Nutter)
   a. Ratification deadline.
   b. Proposed Changes
4. IJCNN Budget Approval ← (Nutter)
5. Burke item
6. Newsletter

New Business

1. TAB Colloquia
   3. Low
   4. Lau
   5. Fukuda

Point: Seattle 2000

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22-Feb-90

# IJCNN-91-Seattle Preliminary Budget Income

| | Member | Non-Member | Student |
|---|---|---|---|
| **Early Pre-Reg Fee** | **$195** | **$295** | **$50** |
| **Late Pre-Reg Fee** | **$295** | **$395** | **$75** |
| **On-Site Reg Fee** | **$395** | **$495** | **$95** |
| **Tutorial Fee** | **$195** | **$195** | **$85** |
| **One-Day Fee** | **$125** | **$175** | |

| **Number of Attendees** | **1750** | **2000** | **2250** | **2500** | **2750** | **3000** |
|---|---|---|---|---|---|---|
| **Registration Income** | | | | | | |
| Member Early Pre-Reg | $47,775 | $54,600 | $61,425 | $68,250 | $75,075 | $81,900 |
| Non-Mem Early Pre-Reg | $47,775 | $54,600 | $61,425 | $68,250 | $75,075 | $81,900 |
| Member Late Pre-Reg | $72,275 | $82,600 | $92,925 | $103,250 | $113,575 | $123,900 |
| Non-Mem Late Pre-Reg | $72,275 | $82,600 | $92,925 | $103,250 | $113,575 | $123,900 |
| Member On-Site | $96,775 | $110,600 | $124,425 | $138,250 | $152,075 | $165,900 |
| Non-Member On-Site | $121,275 | $138,600 | $155,925 | $173,250 | $190,575 | $207,900 |
| Student Early | $6,125 | $7,000 | $7,875 | $8,750 | $9,625 | $10,500 |
| Student On-Site | $11,638 | $13,300 | $14,963 | $16,625 | $18,288 | $19,950 |
| Member One-Day | $2,188 | $2,500 | $2,813 | $3,125 | $3,438 | $3,750 |
| Non-Mem One-Day | $3,063 | $3,500 | $3,938 | $4,375 | $4,813 | $5,250 |
| **Tot Regis. Income** | **$481,163** | **$549,900** | **$618,638** | **$687,375** | **$756,113** | **$824,850** |
| **Conference Promo Sales** | **$1,575** | **$1,800** | **$2,025** | **$2,250** | **$2,475** | **$2,700** |
| **Exhibits** | **$59,250** | **$59,250** | **$59,250** | **$59,250** | **$59,250** | **$59,250** |
| Exhibitor Ads | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 |
| **Other Income** | | | | | | |
| Interest | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 |
| Advance from INNS | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 |
| Hotel Room Surcharge | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 |
| Social Func. Tickets | $1,225 | $1,400 | $1,575 | $1,750 | $1,925 | $2,100 |
| Tutorial Fees | $38,588 | $44,100 | $49,613 | $55,125 | $60,638 | $66,150 |
| **TOTAL INCOME** | **$648,300** | **$722,950** | **$797,600** | **$872,250** | **$946,900** | **$1,021,550** |
| **TOTAL EXPENSES** | **$466,251** | **$488,554** | **$510,857** | **$533,160** | **$555,463** | **$577,766** |
| **NET SURPLUS** | **$182,049** | **$234,396** | **$286,743** | **$339,090** | **$391,437** | **$443,784** |
| **SURPLUS plus SEED MONEY** | **$232,049** | **$284,396** | **$336,743** | **$389,090** | **$441,437** | **$493,784** |

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# IJCNN-91-SEATTLE Expense Budget

22-Feb-90

| Number of Attendees | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 |
|---|---|---|---|---|---|---|
| **MARKETING/PROMOTION** | | | | | | |
| Brochure Printing (75000) | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |
| Mailing (50000) | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 |
| Mailing Lists (25000) | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 |
| Advertisements | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |
| Public Relations/Press | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 |
| Miscellaneous Promotion | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 |
| **Total Marketing** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** |
| **SOCIAL FUNCTIONS** | | | | | | |
| Tuesday Eve Reception | $21,875 | $25,000 | $28,125 | $31,250 | $34,375 | $37,500 |
| Coffee Breaks | $13,125 | $15,000 | $16,875 | $18,750 | $20,625 | $22,500 |
| Press Functions | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| **Total Social Functions** | **$45,000** | **$50,000** | **$55,000** | **$60,000** | **$65,000** | **$70,000** |
| **REGISTRATION EXPENSES** | | | | | | |
| Credit Card Fees | $3,609 | $4,124 | $4,640 | $5,155 | $5,671 | $6,186 |
| Attendee Packet | $16,088 | $17,875 | $19,663 | $21,450 | $23,238 | $25,025 |
| Final Program | $12,375 | $13,750 | $15,125 | $16,500 | $17,875 | $19,250 |
| Meeting Mgr On-Site Exp | $0 | $0 | $0 | $0 | $0 | $0 |
| Phone/Postage/Etc. | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| Meeting Mgr Fee | $43,750 | $50,000 | $56,250 | $62,500 | $68,750 | $75,000 |
| **Tot Regis. Expenses** | **$77,321** | **$87,249** | **$97,177** | **$107,105** | **$117,033** | **$126,961** |
| **MEETING RENT & FEES** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** |
| **PUBLICATION EXPENSES** | | | | | | |
| Review Expenses | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 |
| Proceedings Publication | $43,750 | $50,000 | $56,250 | $62,500 | $68,750 | $75,000 |
| Posters & Prelim Program | $12,625 | $13,750 | $14,875 | $16,000 | $17,125 | $18,250 |
| **Tot Pub Expenses** | **$74,275** | **$81,650** | **$89,025** | **$96,400** | **$103,775** | **$111,150** |
| **ADMINISTRATION EXPENSES** | | | | | | |
| Insurance/Bonding | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Security & Guards | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 |
| Audio/Visual Equipment | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 |
| Office Equip (fax,copy, etc.) | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| Signage/Forms | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Telephone | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Auditing | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 |
| Bookkeeping/Finance | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| **Tot Admin Expenses** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** |
| **SEED MONEY TO 92 CONF** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** |
| **COMMITTEE EXPENSES** | | | | | | |
| Tutorial Speaker Fees | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 |
| Travel Expenses, Tutorial | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 |
| Plenary Speaker Travel | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 |
| Committee Travel | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 |
| 2 Comp Suites (INNS/IEEE) | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 |
| Committee Phone Expenses | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 |
| Fax/Express Mail | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| **Tot Comm. Expenses** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** |
| **EXHIBIT EXPENSES** | | | | | | |
| Hall Rental | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 |
| Exhibit Management | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| Exhibit Coordination & Marketing | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 |
| **Tot Exhibit Expenses** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** |
| **Total Conference Expenses** | **$466,251** | **$488,554** | **$510,857** | **$533,160** | **$555,463** | **$577,766** |

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Draft
05-15-90

# IEEE Neural Network Council Forums

In order to deepen the interest in and broaden the scope of the technology of artificial neural networks, the IEEE Neural Networks Council invites short proposals for sponsorship of IEEE Neural Network Forums.

## Information

The NNC wishes to maintain flexibility in the NNC Forums. The following are general guidelines.

### Scope

IEEE Neural Network Council (NNC) Forums can either be small generic regional meetings or in depth workshops wherein a specific application or aspect of neural networks is addressed (e.g. IEEE Neural Network Council Forum on Gaming). We anticipate sponsorship of three or four Forums each year.

### Size

NNC Forums should be small in scope. Participation, however, must be open. If not all, a significant portion of the Forum must be open to observation by non participants.

### Conference Management

The responsibility of Chairing and otherwise managing the NNC Forum is the responsibility of the Proposer.

### Technical Content

The responsibility for the technical content of the Forum will generally be that of the Proposer.

## NNC Support

### Publicity

Forums will publicized in the IEEE Transactions on Neural Networks, which currently has over 8000 subscribers.

### Publications

Proceedings from the Forums will be published in sequence by

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the NNC and made available through the IEEE book broker.

Financial
Accepted proposals will result in up to a $20,000 advance for financing the Forum.

**********
Proposals
**********

The following items should be included in a proposal to host an NNC Forum:

Scope
A brief summary of the objectives of the Forum.

Plan
An explanation of how the objectives are to be met.

Budget
A budget should be submitted on an IEEE Budget Forum available from the NNC Meetings Chair. Budgets should be conservative and include reimbursement of the NNC advance to the Forum.

Forum Committee
Names and one page cv's of the Conference Organizing Committee members, including the Forum's General Chair and Finance Chair.

Management
A statement of the manner in which the Forum is to be managed. Professional management is encouraged.

Endorsement
A letter of endorsement from an NNC AdCom member or President of an NNC member Society.

**********
Awards
**********

Selection Criteria

Forum Proposals are to be submitted to the NNC Meetings Chair by October 1. The meetings committee will review the proposals and announce the awards by Jan 1.

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Proposals will be selected by the following criteria:
The technical and/or regional contribution of the Forum to the field of neural networks.
The professional quality of the proposed Forum.
The credentials of the Organizing Committee

**********
Requirements
**********

IEEE
All IEEE meeting regulations and guidelines will be adhered to.

Finance
All accounts will include the NNC Treasurer as signatory.
The NNC reserves the right to an independent audit the Forum
Financial shortages and surpluses will be divided equally by the NNC and the Proposer's institution.

Publications
Proceedings of the conference will be published by IEEE in a sequence of NNC Forum Proceedings. The title of the Proceedings will be specified by the NNC.

Name
The name of the meeting will be "IEEE Neural Networks Council Forum on ..." for focused meetings. For generic meetings, it will be "IEEE NNC Forum in ..." where ... denotes the Forum's geographical location.

Variations
The NNC reserves the right to make conditional awards.

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draft of 6/19/90

Agreement between the IEEE Neural Networks Council and the International Neural Network Society

In the interest of promoting research, development and education in the area of Neural Networks, the IEEE Neural Networks Council (NNC) and the International Neural Network Society (INNS) agree to jointly sponsor international meetings, known hereafter as the "International Joint Conferences on Neural Networks," equally sharing the risk and the surplus of the conferences.

1) This document becomes effective upon signature of the Presidents of the two organizations and supercedes the agreement of 11/29/88.

2) Each conference shall be titled the International Joint Conference on Neural Networks (IJCNN).

3) Primary responsibility for operation of each conference shall alternate between the two organizations. The organization with responsibility for a particular conference shall be known as the "lead society."

4) The lead society shall appoint the General Chair with the advice and consent of the President of the other organization. The lead society guarantees the other society complete access to the financial records of the Conference at any time.

5) Both organizations may organize and operate membership booths in conjunction with registration. Organization publications may be sold at these booths.

6) Proceedings of the joint conferences will be sold to members of either organization at the member's rate. The conference commmittee should establish a mechanism for post-conference sales. Establishment of this mechanism shall be part of the budget planning process for each conference. The lead society will be responsible for post conference sales of proceedings.

7) Copyrights to the conference proceedings will be controlled by and at the discretion of the lead society.

8) Exhibits are encouraged as an integral part of the conferences. The conference committee (defined in paragraph 15 below) will be responsible for establishing an exhibits program in coordination with members of the vendor community.

9) Speakers (except for tutorial speakers) are not compensated for their presentations. Plenary speakers will normally have their travel expenses paid. In addition, the General Chair(s), the Program Chair(s), and the

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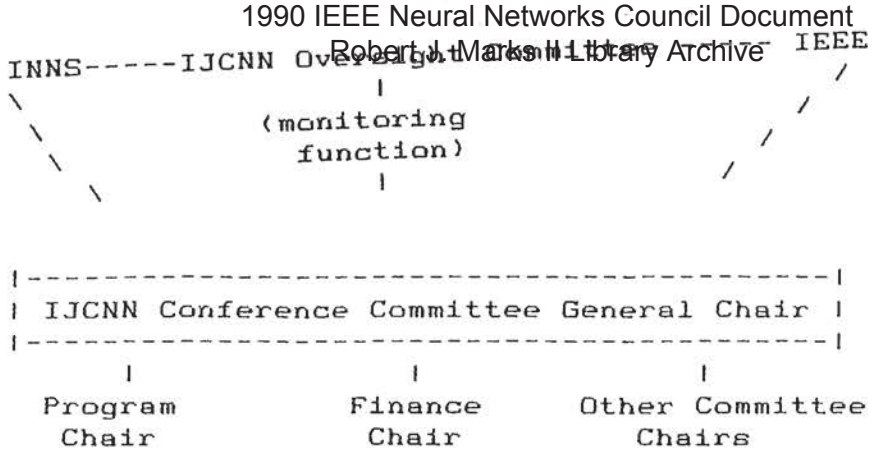


14) This agreement can be canceled upon written notification of either organization to the President of the other organization. The Presient of the INNS and the President of the NNC shall have the responsibility of settling any unfinished business already inititated as a result of this document. In the event of dissolution, each society shall honor its previously approved budgets. Upon cancellation, both organizations agree to not use the conference name "International Joint Conference on Neural Networks" or the initials "IJCNN." The NNC reserves the exclusive right to use the conference name "International Conference on Neural Networks." The INNS reserves the exclusive right to use the conference name "INNS Annual Meeting." Both organizations will refrain from sponsoring other major activities within one month of each IJCNN. Both Socieites must agree to cooperate on involvement in any major neural network conference activites held within 30 days of an IJCNN. Both organizations will share equally in any con ference surplus. If a conference loses money, both organizations will equally share in the cost.

15) The IJCNN Conference Organizing Committee (herein referred to as "Organizing Committee" or "Conference Committee") shall consist of at least a General Chair, a Program Chair, and a Finance Chair, all of which chairs are chosen by the lead society, with the General Chair to be selected with the advice and consent of the President of the other participating Society. The General Chair has primary responsibility for all aspects of the meeting and is accountable to the lead society (AdCom of the NNC; Executive Committee of the INNS) with respect to the discharge of that responsibility. It is the responsibility of the President of the lead society to ensure that the General Chair is made aware of all relevant guidelines for the conference, including financial reimbursements. The General Chair shall appoint, may dismiss and is ultimately responsible for the duties of the other members of the Organizing Committee. The Program Chair is responsible for the technical program, including preparation of the Call for Papers, speaker invitations, review/referee procedures, session organization, etc., subject to IOC guidelines. This person should assemble and preside over the Program Committee. The Finance Chair is responsible for all of the financial aspects of the meeting including approving expenditures, seeing that the correct financial records are maintained, seeing that the approved registration fees are charged, preparing the final report, etc. The primary aim of the Finance Chair should be to stay within the approved budget: note that the approved budget may not be the same as

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Finance Chair(s) can have their travel expenses paid. The Conference Committee will set specific arrangements in accordance with the policies of both INNS and IEEE. Compensation for tutorial speakers shall be consistent with the policies of IEEE and INNS. Invited speakers may have their travel expenses paid. The number of invited speakers who have their expenses paid should in no case exceed 1% of the best estimate of the number of conference registrations. All other expense reimbursements are excluded unless specifically covered by a line item in the approved conference budget. Registration fees for keynote and plenary speakers are waived. Registration fees for all persons whose travel expenses are reimbursed by the conference will be at the student rate.

10) Registration fees will be determinded by the conference committee and submitted to the sponsoring organizations as part of the conference budget. Significant fluctuations in fees for contiguous meetings are discouraged. The conference registration fees for members of the sponsoring societies will be set less than for other attendees.

11) All expenses associated with the conference will be included in the conference budget which must be approved by both organizations. It is the responsibility of the conference committee to enforce adherence to the budget.

12) A preliminary budget will be submitted by the lead society to the IOC (as defined in paragraph 13 below) and the other organization approximately two years in advance beginning with the 1992 meetings. An operating budget will be similarly submitted approximately one year in advance. It must be approved, disapproved, or approved with modifications, within 90 days after receipt, or it is approved as submitted.

13) There shall be an Oversight Committee (hereinafter referred to as "IOC") consisting of not more than 5 people, appointed by the IEEE NNC, and not more than 5 people appointed by the INNS Executive Committee. The President of the IEEE Neural Networks Council and the President of the International Neural Networks Society will serve as ex officio members of the IOC. No IOC member will serve on the organizing committee (defined in paragrph 15 below). The IJCNN Oversight Committee shall serve to ensure adher ence to this Agreement and to mediate any disagreements in accordance with the IOC By-Laws. If a disagreement cannot be resolved by the IOC, the matter will be referred to the NNC and the INNS Board. The following diagram specifies the organizational structure:

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that submitted, since the sponsors might request changes. The General Chair may appoint other chairs as required, and will in all matters follow the guidelines contained in the latest version of the IEEE Conference Organization Manual.

16) A preliminary internal audit will be presented to the IOC and both organizations not more than 90 days after the close of the conference. A final audit and financial report is due 180 days after the close of the conference. Copies of this audit are to be presented to the IOC and the organizations. If there is a surplus, it shall be distributed evenly between the two organizations by the conference finance chair. Either organization can order an external audit of the conference by a nationally prominent accounting firm. In such cases, the audit cost will be paid from any conference surplus.

17) There will be at least four signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, the President of the INNS, and a financial staff person from IEEE Headquarters. Any one signature will be sufficient to authorize checks of $10,000 or less. Any two signatures will be required for amounts greater than $10,000,

18) Policies of both IEEE and INNS with regard to running of conferences will be adhered to.

**********

This document was discussed and jointly prepared by the members of the IJCNN Oversight Committee on 25 November, 1989, 15 January, 1990 and 18 June 1990.

Approved by the INNS by its President:

_____ Date: _____

Approved by the IEEE NNC by its President:

_____ Date: _____

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# IEEE Agenda for IJCNN
# Oversight Committee
# June 18, 1990

1. The IEEE NNC meetings committee unanimously approved the following on June 18, 1990:

"The meetings committee will recommend to the NNC ADCOM of June 19, 1990, that the association between the IEEE NNC and INNS be disolved unless an IOC agreement is approved by both parties by ~~July 18, 199~~ Nov 1, 1990

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ACTIVITY REPORT

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IEEE TECHNICAL ACTIVITIES
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
345 EAST 47TH STREET, NEW YORK, N.Y. 10017, U.S.A. (212) 705-7890

(212) 705-7868

December 20, 1989

To: 1990 IEEE Society/Council Presidents

From: Esmi L. Bidstrup, Manager, TAB General Activities

Subject: Newly Elected IEEE Fellows

Enclosed is a list of newly elected IEEE Fellows showing their Society membership(s) in addition to their citations.

Each Fellow will be asked whether he/she would like to have the Fellow Certificate presented at a Section function or in conjunction with a Society activity, or have it mailed. The deadline for response from the Fellows is January 15, 1990, and we will advise you of any Fellow who has chosen a function of your Society/Council.

If your Society/Council traditionally honors Fellows at a certain event, you may wish to contact those Fellows who are members of your Society and advise them of this possibility in advance.

The list of newly elected Fellows will be published in the February issue of THE INSTITUTE. However, you may wish to single out in your newsletter those Fellows who are members of your Society, and for this purpose a copy of the Fellow list is being sent direct to your Newsletter/Magazine Editors.

A complete list of all Fellows of your Society, including the newly elected, can be ordered from our office mid-January.

If you have any questions, please call me or Malvina Torto (212) 705-7856.

cc: Society Newsletter/Magazine Editors
1989 Society/Council Presidents
1989 and 1990 Division Directors
1989/90 Vice President, Technical Activities

Encl.

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IEEE

IEEE MEMBERS ELECTED TO FELLOW GRADE AS OF JANUARY 1, 1990
See Society** code designations appended to this report.

| IEEE MAILING ADDRESS | CITATION | CANDIDATE IS ENROLLED IN THE FOLLOWING SOCIETIES** | EV UA BY |
|---|---|---|---|
| Dr. John G. Ackenhusen<br>AT&T Bell Laboratories<br>Room WH-1A-131<br>One Whippany Road<br>Whippany, NJ 07981 | For contributions in real-time digital signal processing for speech applications. | 01,26 | 0 |
| Professor Vernon D. Albertson<br>Electrical Engineering Department<br>University of Minnesota<br>200 Union Street, SE<br>Minneapolis, MN 55455 | For contributions to the understanding of the effects of geomagnetic storms on power systems. | 25,31 | 3 |
| Professor Fernando Aldana<br>Polytechnical University of Madrid<br>Avda. Ramiro de Maeztu, s/n<br>E-28040, Madrid, Spain | For contributions to industrial electronics. | 13,21,34,35 | 1 |
| Mr. Lucas G. Ananian<br>17395 Park Avenue<br>Livonia, MI 48152 | For contributions to power distribution systems for industrial facilities. | 34 | 3 |
| Professor Dimitri A. Antoniadis<br>Massachusetts Institute of Technology<br>Room 39-227<br>Cambridge, MA 02139 | For contributions to the fabrication process modeling and simulation and to field-effect quantum transport devices. | 15 | 1 |
| Dr. John W. Archer<br>Nine Fulborne Avenue<br>Pennan Hills, NSW 2120<br>Australia | For contributions to low-noise millimeter-wave receiver design. | 17 | 1 |
| Dr. Shojiro Asai<br>Hitachi, Ltd.<br>ULSI Research Center<br>Central Research Laboratory<br>Post Office Box 2<br>Kokubunji, Tokyo 185, Japan | For contributions to advancing semiconductor device technology. | 15,16,SSC | 1 |
| Dr. Christopher H. Bajorek<br>214 14th Street, NE<br>Rochester, MN 55904 | For leadership in the development and manufacture of magnetic data storage and high-speed computer switching devices. | 33 | |
| Dr. Keshoolal Bakhru<br>3426 Yosemite Street<br>San Diego, CA 92109 | For contributions to the analysis and technology of jam-resistant communication systems. | 19 | |
| Dr. Pieter Balk<br>Lutticher Strasse 192<br>5100 Aachen, West Germany | For contributions to Si and III-V materials and device technology. | 15 | |

*For Fellow nominations, the ***Solid-State Circuits Council*** is treated the same as a Society.

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| IEEE MAILING ADDRESS | CITATION | CANDIDATE IS ENROLLED IN THE FOLLOWING SOCIETIES** | EVA UAT BY* |
|---|---|---|---|
| Mr. Jennings B. Bunch, Jr.<br>611 Bough Road<br>Exton, PA 19341 | For contributions to automated electric power distribution systems. | 31 | 31 |
| Professor Joe C. Campbell<br>Department of Electrical and Computer Engineerng<br>University of Texas<br>Engineering Science Building<br>Austin, TX 78712 | For contributions to semiconductor photodetectors for lightwave communication. | 36 | 36 |
| Professor L. Lorne Campbell<br>Department of Mathematics and Statistics<br>Queen's University<br>Kingston, Ontario, Canada<br>K7L 3N6 | For contributions to the understanding of signals and noise in nonlinear devices. | 12,19 | 12 |
| Professor Chester C. Carroll<br>E. A. "Larry" Drummond Chair in Computer Architecture<br>The University of Alabama<br>Post Office Box 870286<br>Tuscaloosa, AL 35487-0286 | For leadership in electrical engineering education. | 13,16 | 25 |
| Dr. Basilio Catania<br>C.S.E.L.T. S.p.A.<br>Via G. Reiss Romoli, 274<br>10148 Turin, Italy | For contributions to the development of optical fiber telecommunication systems. | 19 | 19 |
| Professor K. Mani Chandy<br>University of Texas at Austin<br>Austin, TX 78712 | For contributions to queueing theory and its practical applications to computer and communications systems. | 16 | 16 |
| Dr. Leroy L. Chang<br>IBM Corporation<br>T. J. Watson Research Center<br>Post Office Box 218<br>Yorktown Heights, NY 10598 | For contributions to superlattices and semiconductor quantum wells. | -- | 15 |
| Dr. Basant R. Chawla<br>AT&T Bell Laboratories<br>1247 S. Cedar Crest Boulevard<br>Allentown, PA 18103 | For contributions to computer-aided design of integrated circuits. | 04,16 | 04 |
| Dr. Leonard Chin<br>1612 Franklin Drive<br>Furlong, PA 18925 | For contributions to adaptive filtering techniques used in navigation systems. | 10 | 10 |
| Mr. Jules Cohen<br>1725 DeSales Street, NW<br>Apartment 600<br>Washington, DC 20036 | For leadership in the improvement of television broadcast service and the development of engineering standards. | 02,03,27 | 0 |

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|---|---|---|---|
| Dr. Joseph P. Donnelly<br>Massachussetts Institute of Technology<br>Lincoln Laboratory<br>Post Office Box 73<br>Lexington, MA 02173 | For development of ion implantation techniques and their application to semiconductor photonic devices. | 15,36 | 36 |
| Dr. Richard J. Doviak<br>National Severe Storms Laboratory<br>1313 Halley Avenue<br>Norman, OK 73069 | For pioneering contributions to weather radar sciences and their application. | 29 | 29 |
| Dr. Donald G. Dudley<br>2137 E. Adams Street<br>Tucson, AZ 85719 | For contributions to electromagnetic target identification, and leadership in education and engineering practice. | 03,17,29 | 03 |
| Dr. Alfred E. Dunlop<br>AT&T Bell Laboratories<br>Room 3D-484<br>600 Mountain Avenue<br>Murray Hill, NJ 07974 | For contributions to automated layout of integrated circuits and development of techniques which significantly enhance performance. | 04,16 | 04 |
| Dr. Niloy K. Dutta<br>AT&T Bell Laboratories<br>Murray Hill, NJ 07974 | For contributions to the research and development of semiconductor lasers. | 36 | 36 |
| Dr. Charles Elachi<br>California Institute of Technology<br>Jet Propulsion Laboratory<br>Mail Stop 183-335<br>Pasadena, CA 91109 | For contributions to the field of active microwave sensing of earth and planetary surfaces. | 29 | 29 |
| Professor Mohamed E. El-Hawary<br>Electrical Engineering Department<br>Technical University of Nova Scotia<br>Post Office Box 1000<br>Halifax, Nova Scotia, Canada<br>B3J 2X4 | For contributions to the theory of optimal economic operation of hydrothermal power systems. | 04,16,23,24, 28,31,34 | 31 |
| Dr. Youssef A. El-Mansy<br>18820 SW Gassner Road<br>Aloha, OR 97007 | For contributions to modeling insulated gate field-effect devices. | 20,SSC | 15 |
| Mr. Morris Engelson<br>3944 SW 43rd Avenue<br>Portland, OR 97221 | For contributions to the practice and application of spectrum analysis, and leadership in its test instrumentation. | 17,27 | 27 |
| Mr. Eugene J. Fagan<br>E. I. du Pont de Nemours and Company<br>Engineering Department<br>Post Office Box 6090<br>Newark, DE 19714-6090 | For contributions to and development of grounding for buildings and structures. | 16,34 | 3 |

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|---|---|---|---|
| Professor Kyohei Fujimoto<br>Institute of Applied Physics<br>University of Tsukuba<br>Sakura-Mura<br>Ibaraki 305, Japan | For contributions to the development and design of small antennas and antennas for mobile communications. | 03,06 | 03 |
| Dr. Samuel H. Fuller<br>133 Ayer Road<br>Harvard, MA 01451 | For leadership and contributions to computer architecture design. | 16 | 16 |
| Dr. Randall L. Geiger<br>Route 4<br>Post Office Box 416<br>College Station, TX 77840 | For contributions to discrete and integrated analog circuit design. | 01,04,13,15,<br>16,18,21,SSC | 04 |
| Dr. Hiroshi Genchi<br>Momoi 1-20-1<br>Suginami-Ku<br>Tokyo 167, Japan | For contributions to the development and application of pattern recognition technology. | 16,28 | 16 |
| Dean Nicholas D. Georganas<br>Faculty of Engineering<br>University of Ottawa<br>161 Louis Pasteur Street<br>Ottawa, Ontario, Canada<br>K1N 6N5 | For leadership in university-industry research in, and performance evaluation of, multimedia communications networks and systems. | 16,19 | 19 |
| Professor Michel R. Gevers<br>Laboratoire d'Automatique<br>Université Catholique de Louvain<br>B-1348 Louvain-la-Neuve, Belgium | For contributions to the understanding and identification of linear multivariable systems. | 01,04,12,23 | 23 |
| Dr. Sakti P. Ghosh<br>IBM Corporation<br>Almaden Research Center<br>K52/282<br>5600 Cottle Road<br>San Jose, CA 95193-6099 | For contributions to database storage and retrieval. | 16 | 16 |
| Mr. Winfield J. Giguere<br>AT&T Bell Laboratories<br>Room 2F 319<br>Crawfords Corner Road<br>Holmdel, NJ 07733 | For technical contributions to and leadership in the development of communications equipment. | 19 | 19 |
| Dr. Concetto R. Giuliano<br>Hughes Research Laboratories<br>Optical Physics Department<br>RL 64<br>3011 Malibu Canyon Road<br>Malibu, CA 90265 | For contributions to the understanding of nonlinear optics, phase conjugation, saturable absorption, and laser-induced damage. | 36 | 36 |

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|---|---|---|---|
| Dr. M. Harry Hesse<br>11 Beechwood Drive<br>R. D. #1<br>Burnt Hills, NY 12027 | For contributions to the advancement of electric power engineering education. | 31 | 31 |
| Dr. C. Robert Hewes<br>2604 Sherrill Park Court<br>Richardson, TX 75081 | For leadership in the development of very-large-scale integrated circuit technology. | 15,16,SSC | SS |
| Professor Daniel B. Hodge<br>Electrical Engineering Department<br>Ohio State University<br>2015 Neil Avenue<br>Columbus, OH 43210 | For leadership in electrical engineering education. | 03,25 | 25 |
| Professor Kazuo Horiuchi<br>Department of Electronics and Communication Engineering<br>Waseda University<br>3-4-1 Okubo, Shinjuku-ku<br>Tokyo 169, Japan | For contributions to the theory of wave propagation and nonlinear functional analysis. | 04,12 | 04 |
| Mr. Charles H. House<br>1140 Hamilton Avenue<br>Palo Alto, CA 94301 | For leadership and contributions to computer diagnostics and logic system analyzers. | -- | 16 |
| Professor Ronald A. Howard<br>Engineering Economic Systems<br>Stanford University<br>Mail Code 4025<br>Palo Alto, CA 94305-4025 | For contributions to the theory and practice of decision analysis. | 28 | 28 |
| Mr. A. Ray Howland, President<br>The Howland Company, Inc.<br>2685 Milscott Drive<br>Post Office Box 1048<br>Decatur, GA 30031 | For leadership of the development and production of automated microwave instrumentation systems. | 09,17,19,27 | 09 |
| Professor Chenming Hu<br>Department of Electrical Engineering and Computer Sciences<br>University of California, Berkeley<br>Berkeley, CA 94720 | For contributions to the understanding of hot-electron effects in MOS devices. | 05,07,15,17,20,SSC | 15 |
| Dr. Ho-Chung Huang<br>COMSAT Laboratories<br>22300 Comsat Drive<br>Clarksburg, MD 20871 | For contributions to the understanding of solid-state devices and the development of GaAs FET power amplifiers for space applications. | 15,17 | 17 |
| Dr. Bill J. Hunsinger, President<br>Electronic Decisions Inc.<br>1776 East Washington<br>Urbana, IL 61801 | For contributions to surface-acoustic-wave device research and the development of acoustic charge transport technology. | 20 | 2 |

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| Professor Sherra E. Kerns<br>Department of Electrical Engineering<br>Vanderbilt University<br>Post Office Box 108<br>Station B<br>Nashville, TN 37235 | For contributions to the reduction of CMOS and GaAs IC vulnerability to single-event and transient radiation environments. | 05,15,SSC | 05 |
| Mr. Stanley S. Kershaw, Jr.<br>Post Office Box 388<br>Olean, NY 14760 | For contributions to the understanding of distribution surge protection and the application of overvoltage protection to underground distribution systems. | 31 | 31 |
| Professor Hidenori Kimura<br>Department of Mechanical Engineering for Computer Control<br>Osaka University<br>2-1 Yamadaoka, Suita<br>Osaka 565, Japan | For contributions to the theory of robust linear multivariable control systems. | 01,04,23,24 | 23 |
| Dr. Peter M. Kogge<br>IBM Corporation<br>Systems Integration Division<br>Mail Stop 0208<br>Route 17C<br>Bodle Hill Road<br>Owego, NY 13827 | For contributions to high-performance computing systems. | 16 | 16 |
| Dr. Michael G. Kovac<br>524 Garrard Drive<br>Temple Terrace, FL 33617 | For leadership in the academic research infrastructure and contributions to solid-state sensors. | 15,25,SSC | 25 |
| Dr. K. Pal Kovács<br>Vam u. 2<br>H-1011, Budapest, Hungary | For contributions to the understanding of dynamic performance of electrical machinery. | -- | 31 |
| Dr. Don O. Koval<br>155 Marion Drive<br>Sherwood Park<br>Edmonton, Alberta, Canada<br>T8A 2G9 | For contributions to the analysis of power distribution supply interruptions. | 07,30,31,34 | 31 |
| Professor Arthur J. Krener<br>Department of Mathematics<br>University of California, Davis<br>Davis, CA 95616 | For contributions to the control and estimation of nonlinear and acausal systems. | 23 | 23 |
| Dr. P. S. Krishnaprasad<br>7900 Wingate Drive<br>Glenn Dale, MD 20769 | For contributions to geometric and nonlinear control and to engineering education. | 16,23,24 | 23 |
| Professor Mark H. Kryder<br>Department of Electrical and Computer Engineering<br>Carnegie Mellon University<br>Schenley Park<br>Pittsburgh, PA 15213-3890 | For contributions to the use and application of magnetooptical phenomena in the investigation and development of magnetic data storage technology. | 33 | 33 |

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| Dr. Nino A. Masnari<br>North Carolina State University<br>318 Daniels Hall<br>Box 7911<br>Raleigh, NC 27695-7911 | For contributions to educational and research program development in electronic materials processing. | 15,17,SSC | 25 |
| Dr. Michael K. Masten<br>2309 Northcrest<br>Plano, TX 75075 | For leadership in the development of line-of-sight stabilization and target tracking systems. | 10,23 | 10 |
| Dr. Richard E. Matick<br>IBM Corporation<br>T. J. Watson Research Center<br>Post Office Box 218<br>Yorktown Heights, NY 10598 | For contributions to the development of digital storage systems. | 17,SSC | 16 |
| Mr. L. Bruce McClung<br>631 Jane Street<br>Charleston, WV 25302 | For leadership in the development of improved electrical insulations and their impact on safety and reliability of electrical conductors and equipment. | 31,32,34 | 34 |
| Professor Robert B. McGhee<br>Department of Computer Science<br>Code 52MZ<br>Naval Postgraduate School<br>Monterey, CA 93943 | For contributions to the theory and experimental study of mobile robots and legged locomotion. | 16,24,28 | 24 |
| Dr. F. Barry McLean<br>3208 Verona Drive<br>Wheaton, MD 20906 | For contributions to the theoretical understanding of the radiation response of electronics materials and devices, and of the complex time-dependent radiation response of MOS structures. | 15 | 05 |
| Professor Semyon M. Meerkov<br>Department of Electrical Engineering and Computer Science<br>The University of Michigan<br>Ann Arbor, MI 48109-2122 | For introduction, development, and implementation of the principle of vibrational control and for contributions to systems approach to communications networks. | 23 | 23 |
| Professor Umberto Mengali<br>Instituto di Electtronica e Telecomunicazioni<br>Università di Pisa<br>Via Diotisalvi 2<br>I-56100 Pisa, Italy | For contributions to the theory of synchronization in digital communication systems. | 02,06,08,10,12,16,17,19,23 | 19 |
| Mr. André S. Merlin<br>Electricite de France<br>CRTT ALPES<br>5 rue des Cuirassiers<br>B P 101/69399<br>Lyon Cedex 03, France | For contributions to and leadership in power system planning and operation and, in particular, for the development of methods and systems for power real-time control, operation planning, and expansion planning. | 31 | 31 |
| Dr. Harlan D. Mills<br>205 Coconut Palm Road<br>Vero Beach, FL 32963 | For contributions to the development of software methodologies and their transistion into practice. | 16 | 16 |

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|---|---|---|---|
| Dr. Heitaro Nakajima<br>10-6 Komazawa-4<br>Setagaya-ku<br>Tokyo 154, Japan | For leaderhip and contributions in research and development of PCM digital audio recording technology and for productization of CD (compact disk) and DAT (digital audio tape) high-fidelity recording systems. | -- | 08 |
| Mr. Philip R. Nannery<br>29 Ripplewood Drive<br>Saddle River, NJ 07458 | For leadership in the application of advanced technology to electric transmission and distribution systems. | 13,30,31,35 | 31 |
| Mr. Louis S. Napoli<br>David Sarnoff Research Center<br>Integrated Circuit Research Laboratory<br>CN5300<br>Princeton, NJ 08543-5300 | For research in GaAs power transistors at microwave frequencies. | 17 | 17 |
| Professor J. Keith Nelson<br>Department of Electric Power Engineering<br>Rensselaer Polytechnic Institute<br>JEC 5010<br>Troy, NY 12180-3590 | For contributions to the field of dielectric and insulation systems. | 31,32 | 32 |
| Professor Gerold W. Neudeck<br>School of Electrical Engineering<br>Purdue University<br>West Lafayette, IN 47907 | For contributions to the development of amorphous silicon materials, thin-film devices, and engineering education. | 15,SSC | 15 |
| Professor Arnost Neugroschel<br>Department of Electrical Engineering<br>University of Florida<br>Gainesville, FL 32611 | For contributions to material characterization for transistor and solar cell analysis and design. | 15 | 15 |
| Professor James W. Nilsson<br>Electrical Engineering Department<br>Iowa State University<br>Coover Hall<br>Ames, IA 50011 | For contributions to electrical engineering textbooks and other teaching materials. | 04,25 | 25 |
| Professor John D. Norgard<br>Electrical and Computer Engineering Department<br>University of Colorado at Colorado Springs<br>Colorado Springs, CO 80933-7150 | For the application of infrared thermographic mapping methods to the measurement of electromagnetic fields. | 05 | 27 |
| Mr. Frank F. Oettinger<br>14107 Flint Rock Road<br>Rockville, MD 20853 | For development of measurement techniques and standard test procedures for defining thermal properties of semiconductor devices. | 15,21,35 | 35 |
| Dr. Ryoichi Ohnishi<br>14-19 Takaginishimachi<br>Nishinomiya 663, Japan | For contributions to the development of highly efficient image signal coding technology of fascimile. | 19 | 19 |

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|---|---|---|---|
| Mr. John H. Powers, Jr.<br>Box 346<br>R. D. #3<br>Pleasant Valley, NY 12569 | For contributions to and leadership in manufacturing technology. | 21 | 21 |
| Dr. David M. Pozar<br>55 Teewaddle Hill Road<br>R. D. #3<br>Amherst, MA 01002 | For contributions to the electromagnetic analysis, development, and design of microstrip antennas and phased arrays. | 03,17 | 03 |
| Mr. Ogden L. Prestholdt<br>214 Laurel Hollow Drive<br>Nokomis, FL 34275 | For contributions to radio and television broadcast systems, and development of techniques to prevent undesired reradiation from structures adjacent to radio towers. | 01,02,03,08 | 02 |
| Professor John L. Prince, III<br>Department of Electrical and Computer Engineering<br>University of Arizona<br>Tucson, AZ 85721 | For contributions to the development of computer-aided design tools for electronic packaging. | 07,15,17,21, SSC | 21 |
| Professor Ramu V. Ramaswamy<br>Department of Electrical Engineering<br>University of Florida<br>Larsen Hall-216<br>Gainesville, FL 32611 | For contributions to passive and active guided-wave optics and for the conception and demonstration of polarization preserving fibers. | 36 | 36 |
| Dr. Josef Raviv<br>IBM Israel<br>Science and Technology<br>Nuclear Engineering Building<br>Technion City<br>32000 Haifa, Israel | For contributions to data compaction, pattern recognition, and information theory. | 01,04,12,16, 19,20,25 | 16 |
| Mr. N. Dag Reppen<br>Power Technologies, Inc.<br>Post Office Box 1058<br>Schenectady, NY 12301-1058 | For contributions to transmission system reliability evaluation and security assessment. | 31 | 31 |
| Dr. V. Thomas Rhyne<br>Microelectronics and Computer Technology Corporation<br>3500 West Balcones Center Drive<br>Austin, TX 78759 | For contributions to the discipline of computer engineering and to computer engineering education. | 04,16,25,SSC | 25 |
| Dr. Richard B. Robrock, II<br>Six Timothy Lane<br>Bedminster, NJ 07921 | For technical leadership in the architecture and implementation of the Intelligent Network. | 16,19 | 19 |
| Professor Tullio E. Rozzi<br>Faculty of Engineering<br>University of Ancona<br>Via Brecce Bianche<br>60131 Ancona, Italy | For contributions to the theory and modeling of propagation in waveguides with discontinuities. | 17 | 17 |

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|---|---|---|---|
| Dr. Dharmendra K. Sharma<br>Electric Power Research Institute<br>Post Office Box 10412<br>Palo Alto, CA 94303 | For leadership in the development of techniques to improve rotating electrical machinery. | 31 | 31 |
| Professor Mary M. Shaw<br>Computer Science Department<br>Carnegie Mellon University<br>Pittsburgh, PA 15213 | For contributions to computer science education. | 16 | 16 |
| Mr. Daniel H. Sheingold<br>11 Owaisa Road<br>Waban, MA 02168 | For contributions to the understanding and use of analog devices and data converters. | 09 | 09 |
| Professor Isao Shirakawa<br>Department of Electronic Engineering<br>Osaka University<br>2-1 Yamada-Oka, Suita<br>Osaka 565, Japan | For contributions to network theory and its applications to computer-aided circuit analysis and design. | 04,16,SSC | 04 |
| Dr. Betsalel R. Shperling<br>200 Northwood Court<br>Jericho, NY 11753 | For contributions to analysis and improvement of transmission system transient performance. | 31 | 31 |
| Professor Bruce D. Shriver<br>University of Southwestern Louisiana<br>Drawer 42730<br>Lafayette, LA 70504 | For contributions to computer organization and microprogramming. | 16 | 16 |
| Professor Howard J. Siegel<br>School of Electrical Engineering<br>Purdue University<br>West Lafayette, IN 47907-0501 | For contributions to the analysis and design of interconnection networks for highly parallel processors. | 16 | 16 |
| Dr. William T. Silfvast<br>AT&T Bell Laboratories<br>Room 4C-424<br>Crawfords Corner Road<br>Holmdel, NJ 07733 | For contributions to the discovery and development of metal vapor lasers. | 36 | 36 |
| Dr. Shanker Singh<br>990 E. Camino Alberca<br>Tucson, AZ 85718 | For contributions to the design of fault-tolerant memory technology and systems. | -- | 16 |
| Dr. Paul G. Slade<br>Westinghouse Research Laboratories<br>1310 Beulah Road<br>Pittsburgh, PA 15235 | For contributions to the behavior of high-current metal contacts. | 21,31 | 21 |

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|---|---|---|---|
| Dr. Yasutsugu Takeda<br>Hitachi, Ltd.<br>1-5-1 Marunouchi<br>Chiyoda-ku<br>Tokyo 100, Japan | For technical leadership in optoelectronics, particularly in optical storage and recording. | 15,16,36,SSC | 36 |
| Dr. Takeo Takemoto<br>c/o Mobara Works-Hitachi Ltd.<br>Hayland Mobara<br>Chiba-Ken 297, Japan | For technical leadership in development and production of color cathode ray tubes and other display devices. | 01,02,04,07, 08,09,13,15, 16,17,21,23, 32,33,34,36, SSC | 15 |
| Dr. Roger H. Tancrell<br>Raytheon Research Division<br>131 Spring Street<br>Lexington, MA 02173 | For contributions to the analysis and design of surface-acoustic-wave filters for signal processing. | 20 | 20 |
| Dr. Denny Duan-Lee Tang<br>IBM Corporation<br>5-239<br>T. J. Watson Research Center<br>Post Office Box 218<br>Yorktown Heights, NY 10598 | For contributions to the design and scaling of high-speed silicon bipolar devices. | 15 | 15 |
| Mr. R. Charles Terreault<br>Bell Canada<br>700 de la Gauchetière w.<br>Room 2800<br>Montréal, Québec, Canada<br>H3B 4L1 | For contributions to the digitization of the telecommunications network. | 19 | 19 |
| Professor Krishnaiyan Thulasiraman<br>Department of Electrical Engineering<br>Concordia University<br>H915-5<br>1455 de Maisonneuve Boulevard, West<br>Montréal, Québec, Canada<br>H3G 1M8 | For contributions to applications of graph theory. | 04,12,16 | 04 |
| Dr. Bernhard R. Tittmann<br>2466 Sassafras Court<br>State College, PA 16803 | For contributions to the development of instrumentation and measurement techniques for material characterization and nondestructive testing. | 20 | 20 |
| Dr. Iwao Toda<br>Post Office Box Eight<br>Yokosuka<br>Kamagawa-Ken 238, Japan | For contributions to on-line computer systems, computer networks, and switching theory. | 16,19 | 16 |
| Professor Leung Tsang<br>Department of Electrical Engineering FT 10<br>University of Washington<br>Seattle, WA 98195 | For contributions to wave propagation in discrete random media and the theory of microwave remote sensing. | 03,17,29,36 | 03 |

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| IEEE MAILING ADDRESS | CITATION | CANDIDATE IS ENROLLED IN THE FOLLOWING SOCIETIES** | EVAL-UATED BY* |
|---|---|---|---|
| Dean J. Daan van Wyk<br>Department of Electrical and Electronics Engineering<br>Rand Africaans University<br>Box 524<br>2000 Johannesburg, South Africa | For contributions to the technology of power electronic converters and associated equipment. | 10,13,31,34, 35 | 34 |
| Dr. Carmine Vittoria<br>64 Sumner Street<br>Newton, MA 02159 | For contributions to the understanding of the microwave properties of magnetic materials and their applications in microwave technology. | 17,33 | 33 |
| Dr. Robert C. Waag<br>Six Babcock Drive<br>Rochester, NY 14610 | For contributions to biomedical ultrasound in the areas of tissue characterization, wave propagation effects, and two-dimensional imaging. | 20 | 18 |
| Mr. John Cheng Hwai Wang<br>4705 Longhorn Drive<br>Beltsville, MD 20705 | For contributions to the study of medium-frequency skywave propagation. | 02,03 | 02 |
| Dr. Kiyotaka Wasa<br>Central Research Laboratories<br>Matsushita Electric Industrial Co., Ltd.<br>3-15 Yagumonakamachi, Moriguchi<br>Osaka 570, Japan | For contribution to the development and application of a cathodic sputtering technology to material processing. | 20 | 20 |
| Mr. Ronald Waxman<br>2369 Paddock Lane<br>Reston, VA 22091 | For contributions to and leadership in the field of hardware description languages for computers. | 16 | 16 |
| Dr. Jacques L. Willems<br>Gentse Steenweg, 207<br>B-9990 Maldegem, Belgium | For contributions to the theory of dynamical systems with applications to power systems. | 23,31 | 23 |
| Dr. Jerry M. Woodall<br>10 Upland Road, North<br>Bedford, NY 10506 | For contributions to the preparation of compound semiconductor structures and devices for high-speed and optoelectronic applications. | 15 | 15 |
| Professor Christopher R. Wronski<br>Electrical Engineering Department<br>The Pennsylvania State University<br>213 Electrical Engineering, West<br>University Park, PA 16802 | For contributions to the understanding and application of hydrogenated amorphous silicon-based materials. | 15 | 15 |
| Dr. Satoru Yanabu<br>Toshiba Corporation<br>High Voltage and High Power Laboratories<br>2-1 Ukishima-cho<br>Kawasaki-ku<br>Kawasaki-shi 210, Japan | For contributions to research and development of advanced switchgear and application in transmission and distribution systems. | 31,32 | 31 |

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IEEE

11-20-89

## SOCIETY/COUNCIL CODE DESIGNATIONS

| | | |
|---|---|---|
| 01 | SP | SIGNAL PROCESSING |
| 02 | BT | BROADCAST TECHNOLOGY |
| 03 | AP | ANTENNAS and PROPAGATION |
| 04 | CAS | CIRCUITS and SYSTEMS |
| 05 | NPS | NUCLEAR and PLASMA SCIENCES |
| 06 | VT | VEHICULAR TECHNOLOGY |
| 07 | R | RELIABILITY |
| 08 | CE | CONSUMER ELECTRONICS |
| 09 | IM | INSTRUMENTATION and MEASUREMENT |
| 10 | AES | AEROSPACE and ELECTRONIC SYSTEMS |
| 12 | IT | INFORMATION THEORY |
| 13 | IE | INDUSTRIAL ELECTRONICS |
| 14 | EM | ENGINEERING MANAGEMENT |
| 15 | ED | ELECTRON DEVICES |
| 16 | COMP | COMPUTER |
| 17 | MTT | MICROWAVE THEORY and TECHNIQUES |
| 18 | EMB | ENGINEERING in MEDICINE and BIOLOGY |
| 19 | COMM | COMMUNICATIONS |
| 20 | UFFC | ULTRASONICS, FERROELECTRICS and FREQUENCY CONTROL |
| 21 | CHMT | COMPONENTS, HYBRIDS, and MANUFACTURING TECHNOLOGY |
| 22 | OE | OCEANIC ENGINEERING |
| 23 | CS | CONTROL SYSTEMS |
| 24 | RA | ROBOTICS and AUTOMATION |
| 25 | Ed | EDUCATION |
| 26 | PC | PROFESSIONAL COMMUNICATION |
| 27 | EMC | ELECTROMAGNETIC COMPATIBILITY |
| 28 | SMC | SYSTEMS, MAN, and CYBERNETICS |
| 29 | GRS | GEOSCIENCE and REMOTE SENSING |
| 30 | SIT | SOCIAL IMPLICATIONS of TECHNOLOGY |
| 31 | PE | POWER ENGINEERING |
| 32 | DEI | DIELECTRICS and ELECTRICAL INSULATION |
| 33 | MAG | MAGNETICS |
| 34 | IA | INDUSTRY APPLICATIONS |
| 35 | PEL | POWER ELECTRONICS |
| 36 | LEO | LASERS and ELECTRO-OPTICS |
| -- | NN | NEURAL NETWORKS (C O U N C I L) |
| -- | SSC | SOLID-STATE CIRCUITS (C O U N C I L) |

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Neural Networks

Dear NNC Members,

This purpose of this correspondence is to solicit your vote on two motions ~~requiring satisfaction~~ that require approval of the NNC.

MOTION 1: The ~~draft of the~~ enclosed "Constitution and Bylaws for the IEEE Council on Neural Networks" shall be presented to IEEE for ratification"

MOTION 2: The enclosed budget for the January 1990 IJCNN is accep approved. ~~Etc.~~

Please vote ~~"yeah"~~ "yes" or "no" on each motion in one of the following ways (in decreasing order of preference).

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P. 7 TAB operating com

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# UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

*Interactive Systems Design Laboratory*
*Department of Electrical Engineering, FT-10*
*Telephone: (206) 543-6990 (office),543-6061 (secretary),*
*543-2150 (main office),776-8995 (home);*
*(206)543-3842 (FAX);marks@blake.acs.washington.edu*

September 1, 1989

Dr. Herbert E. Rauch, Editor
IEEE Transaction on Neuural Networks
Lockheed 92-20/254E
3251 Hanover Street
Palo Alto, CA 94304

Dear Herb:

Here's the Constitution revised as of 8/22/89.

Sincerely,

Robert J. Marks II, Chair
IEEE Neural Networks Committee

RJM:ew
Att.

cc: Dr. Troy Nagle ✓

Bob,

The TAB OpCom no longer exists and I have never seen an IEEE Technical Activities Manual. We have several Manuals on Finance, meetings, etc. A TAB Policy & Procedure manual will be proposed for 1990!

Troy

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# PROPOSED CONSTITUTION FOR THE

# IEEE COUNCIL ON NEURAL NETWORKS

## ARTICLE I

## NAME AND OBJECTIVES

Section 1. The name of the organization constituted herein shall be the IEEE Council on Neural Networks (NN).

Section 2. The purpose of the Council is to advance and coordinate work in the field of Neural Networks carried out throughout the IEEE and as such is exclusively scientific, educational and professional in character. In furtherance of the foregoing, the Council may publish appropriate periodicals, sponsor IEEE Neural Networks related conferences and conference sessions, sponsor IEEE Press publications, and engage in any other activity within its field of interest. All such actions must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, with special attention to such aims within the field of interest of the Council as are hereinafter defined.

## ARTICLE II

## FIELD OF INTEREST

Section 1. The field of interest of the Council and its activities and programs shall consist of all aspects of the science and technology of neural networks including theory, design, and applications that range from software to hardware. Changes to the field of interest may be made with approval of the IEEE Technical Activities Board ~~and its Operating Committee.~~

## ARTICLE III

## MEMBERSHIP OF THE COUNCIL

Section 1. The Council shall be composed of IEEE Societies which have demonstrated a strong interest in Neural Networks and are supporting technical activities in the field. These Societies must agree to share the responsibility for all obligations, of the Council, including financial in accordance with this Constitution and the Council Bylaws.

Section 2. Each new Member Society must be approved by a two-thirds affirmative vote of the voting members of the Council AdCom, and by the IEEE Technical Activities Board before it may join the Council.



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Section 3. If a Member Society does not have any representative present at any of the Council AdCom meetings held during a calendar year and is inactive in Council affairs, the Member Society may be dropped from Council membership. Notice of such proposed action shall be given to the President of the delinquent Society at least twenty days before the Council AdCom meeting where such action will be considered. Such action must be approved by two-thirds of the AdCom members present and voting and by the ~~Operating Committee of the~~ IEEE Technical Activities Board before it becomes final. ?

Section 4. The officers of the Council shall be as follows: President, Vice-President, Secretary, and Treasurer.

Section 5. Council business will be conducted by its AdCom which will include both voting and non-voting members. The voting members will be:

a. Two representatives to be appointed by each Member Society.

b. The President, Vice-President, the Secretary, and the Treasurer.

c. The most recent available immediate past President of the Council.

An individual may not serve concurrently as both a Council officer and a Council Member Society representative. When a Member Society representative is elected to a Council office, the Council office shall take precedence over the Society appointment, and any resulting vacancy(s) shall be filled promptly by the appropriate Society.

Section 6. Each representative and officer on the Council must be an IEEE member.

Section 7. The term of office of a Member Society representative on the Council shall be two years with each of the two Society representatives appointed by the Society in alternate years. No Society representative shall be eligible to serve more than four consecutive years. An unexpired term filled for more than six months shall count as a full year. Reappointment after the completion of any term of four consecutive years may be made only after a lapse of at least one year.

Section 8. When a within-term Council representative vacancy occurs, the Council President shall request the appropriate Society to appoint a representative to complete the unexpired term.

Section 9. The non-voting ex-officio members of the Council AdCom will be:

a. The Director of the Division in which the Council resides.

b. The TAB Staff Secretary.

c. The General Manager of IEEE.

d. The IEEE Vice-President for Technical Activities. ✓

Section 10. ~~Except for those AdCom meetings specifically designated as closed,~~ any other IEEE Society which is not a member of the Council may send a non-voting liaison representative to attend for the purpose of establishing lines of communication between the Council and the parent Society represented.



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## ARTICLE IV

## ELECTION AND APPOINTMENT OF OFFICERS

Section 1. Every year, the voting members of the Council AdCom shall elect a President, Vice-President, Secretary, and Treasurer at the Annual Meeting. The officers shall serve for one year. No person shall be eligible to serve more than two consecutive one-year terms for the same office.

Section 2. Officers shall be elected and appointed in accordance with the rules specified in the Council Bylaws.

Section 3. If the Office of President becomes vacant, the Vice-President shall become President for the remainder of the term assumed. If the office of Vice President, Secretary, or Treasurer becomes vacant, the voting members of the Council AdCom shall elect a new officer promptly.

## ARTICLE V

## POWERS, PRIVILEGES, AND DUTIES

Section 1. It shall be the duty of each representative of a Member Society to participate in matters before the Council AdCom and to keep the Administrative Committee of the Society represented informed concerning Council business. Members of any Member Society AdCom may attend any open meeting of the Council as observers.

Section 2. The duties and responsibilities of the officers and members of the Council AdCom shall be as defined hereunder and in the Bylaws, and as further delineated by the Council.

Section 3. The President shall appoint for a term concurrent with his presidency, the Editors of Council's Periodicals, the Chairperson of the ~~Publications~~ Committee ~~and the Chairperson of the Meetings Committee~~ on or before January 1st of the year in which he takes office as President. All appointments shall be made with the advice and consent of the Council AdCom. The Editors, and Chairperson appointments need not be made from among the individuals who are on the Council AdCom as Society representatives.

Section 4. The Council President, under the direction of Council AdCom, shall call all regular, annual, and special Council AdCom meetings and shall preside over them. The President shall coordinate and supervise activities of the Council and have such other powers and perform such other duties as may be provided for in the Council Constitution or Bylaws or as may be delegated to the President by vote of the Council AdCom. Included in the President's duties shall be the responsibility to see that the orders and resolutions of the Council, the IEEE Technical Activities Board, the IEEE Executive Committee, and the IEEE Board of Directors are carried out. The President shall be an ex-officio member of all standing and special committees of the Council except the Nominating Committee, and may vote at Council meetings if necessary to break a tie and during the election of officers.

The President shall also be an ex-officio member of the IEEE Technical Activities Board, and, when notified of a meeting of said Board, shall ensure representation of the Council.



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Section 5. Standing committees may be established as needed. With the advice and consent of the Council AdCom, the President shall appoint committee officers (and members, if such action is not specifically delegated in the establishment action of the Council) and shall fill any vacancies that occur during the year.

Individuals appointed as committee officers or members shall serve a nominal term of one year but shall continue to serve until their successors are appointed or the committee is dissolved, except where other terms are specifically designated by the Constitution or Bylaws.

The President may appoint ad hoc committees for special assignments as needed.

Section 6. The Vice-President shall assist the President in fulfilling all assigned duties, and shall assume the duties and have the power, privileges, and responsibilities of the President during the latter's absence or incapacity.

Section 7. The Secretary shall be responsible for all reports, petitions and records concerning the Council, keeping true and faithful minutes of all meetings of the Council AdCom, and shall prepare such reports as may be required by the Council, the IEEE Technical Activities Board, or the IEEE Executive Committee. The Secretary shall send out notices when instructed to do so by the President or in accordance with requirements of the Council Constitution or Bylaws. Copies of all meeting notices, minutes of meetings, and letter or bulletins sent and received during the previous two years shall be kept by the Secretary, except for those specifically assigned to the custody of others, and the Secretary shall send current copies to IEEE Headquarters for archival storage.

In the absence or incapacity of the President and Vice-President, the Secretary shall perform the duties of the President and have all Presidential powers, privileges, and responsibilities during the absence or incapacity of the President and Vice-President.

Section 8. The Treasurer shall propose a budget for Council operation to be endorsed by Council AdCom and approved by TAB ~~Operating Committee~~ and shall monitor expenditures to verify that they are in accordance with the approved budget. The Treasurer shall prepare financial reports as requested by the Council President, and shall keep the Treasurers of the Member Societies informed on Council financial matters affecting their budgets. The Council Treasurer shall approve the Conference budgets after they are approved by the Meetings Committee prior to being forwarded to IEEE Headquarters for review and final approval.

The Treasurer may utilize the services of IEEE headquarters as bursar for all or part of the Council funds, as provided by the IEEE Bylaws and Statements of Policy. If any parts of the Council funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to Council Bylaws and any other limitations imposed by the Council. Disbursements shall be made on the signature or instructions of the Treasurer. If the Treasurer is disabled or unable to serve, the President may make disbursements during his incapacity.

Section 9. The President, elected and appointed officers shall normally assume office on January 1st or as soon thereafter as practicable.

Section 10. The officially constituted officers of the Council shall have the sole authority to obligate the funds and assets of the Council to promote the Council's activities, provided that no Council officer or representative shall have authority to contract debts for, pledge the credit of, or in any way bind the IEEE for activities prohibited by the Bylaws of the IEEE, the Constitution and Bylaws of the Council, or by regulations published in the Technical Activities Manual.

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Section 11. No officer of the Council, representative on Council AdCom, or Editor shall receive, directly or indirectly, any honorarium, traveling expenses, compensation, or emolument from the Council as an officer or in any other capacity unless authorized by Council AdCom or by the Bylaws of the Council in a manner in conformity with IEEE policies and procedures.

## ARTICLE VI

## FINANCIAL SUPPORT & EXPENDITURES

Section 1. The financial support for the Council shall be derived from subscription sales of Council Publications, any surplus from the Conferences organized or sponsored by the Council, other programs and products sponsored by the Council, and allocations of funds provided by the Member Societies.

Section 2. The Council may raise revenues by other means provided such means are consistent with applicable IEEE rules and regulations and are within the approved Council field of interest. The Council must receive an opinion from the General Manager of the IEEE that any revenue means not explicitly covered by IEEE Statements of Policy does not conflict with IEEE policy before being adopted by the Council.

Section 3. Monies held by or for the Council legally belong to the IEEE, and shall not be expended for activities prohibited by the Constitution, By-Laws and Statements of Policy of the Institute, the Constitution and By-Laws of the Council, by regulations published in the IEEE Technical Activities Board Manual, or any other purposes known to be inimical to the interests of the IEEE. Returns from investment of Council funds shall be credited to the Council.

## ARTICLE VII

## COUNCIL MEETINGS

Section 1. The Council shall hold an Annual Meeting. Additional meetings of the Council, represented by its AdCom, may be held at such times as are found necessary or convenient. Meetings of the Council AdCom may be called at the discretion of the Council President or upon request by at least four AdCom members. The time, place and agenda shall be announced to all members of the Council AdCom at least twenty days in advance of the meeting, or by first-class mail to the address of record of each Council AdCom Member at least twenty-five days in advance of the meeting.

Section 2. The Annual meeting of the Council shall normally be the last AdCom meeting of the year held at a time and place designated by the President.

Section 3. One-third of the voting members of the Council AdCom, which must include representatives from at least one-third of the Member Societies, shall constitute a quorum. Written proxies will not be accepted in determining the quorum. The Chairperson of the Publications Committee, and the Chairperson of the Meetings Committee, the Secretary, and the Treasurer shall be ex-officio members of the Council with a vote on all matters except election of officers and changes to the Constitution and By-Laws. If the offices of Secretary and Treasurer are combined, there shall be one vote by the officer.

Section 4. If a regular representative from a Member Society is unable to attend a meeting of the Council AdCom, the President of the Member Society may designate an alternate by a letter of proxy, who shall have all the powers of the regular representative. Officers of the Council may not delegate their powers by proxy.



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Section 2. An affirmative vote of two-thirds of the voting members of the Council AdCom shall be necessary to declare a vacancy for cause.

For the purposes of this Section, an abstention shall be counted as a cast negative vote.

## ARTICLE XI

## AMENDMENTS

Section 1. Sections of this Constitution may be adopted or amended by action of the Council at a regular or special meeting if the following provisions are met:

a. Notice of the meeting and of the proposed change(s) must be mailed by first-class mail to the last-known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

b. A two-thirds affirmative vote of the votes cast by the members of the Council AdCom is required for passage.

c. An amendment may be approved by a mail ballot if at least a thirty-day period is provided for responses, and two-thirds of the entire Council AdCom votes affirmatively.

d. The Amendment shall become effective immediately after ratification by the IEEE Technical Activities Board ~~and its Operating Committee.~~

Section 2. By-Laws to this Constitution may be adopted or amended by a majority affirmative vote of the votes cast by the Council AdCom at a regular or special meeting, provided that notice of the meeting and a copy of the proposed change(s) is mailed by first-class mail to the last known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

A By-Law may also be adopted or amended by a mail ballot provided that a copy of the proposed change(s) is mailed to the last known address of each member of Council AdCom, at least thirty days are allowed for a reply, and a majority of the entire Council AdCom votes affirmatively.

The new By-Law or Amendment shall be filed with the Secretary of the IEEE Technical Activities Board at least twenty days prior to the effective date.

Section 3. The Constitution, By-Laws, and Statements of Policy of the IEEE shall, at all times, take precedence over those of the Council.

Section 4. All amendments to the Constitution or By-Laws shall become effective immediately after all required approvals have been obtained, unless a later date has been specified at the time of the vote.



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Section 5. The names of any candidates of the Council who are not eligible under the Constitution or By-Laws shall be withdrawn by the President of the Council.

Section 6. Election of the officers, whenever a vacancy exists, shall be from those nominates as specified in these By-Laws, Article III, Sections 2, 3, 4, and 5. Elections shall be by secret ballot of the voting members of the Council AdCom. For the first year of operation of the Council, the officers must be elected by secret ballot directly by the Council AdCom. Nominations must be made by the voting AdCom members.

Section 7. If any Council office becomes vacant at any time during the year, and if the vacant office cannot be filled by logical succession of an existing Council officer as described in the Constitution and By-Laws, the Council will promptly hold an election to fill the existing vacancy. As needed, elections shall be held separately for the offices of President, Vice-President in that order. To be elected, a nominee must receive a majority of the proper votes cast. If no candidate receives a majority on a ballot, the name of the candidate receiving the smallest vote shall be withdrawn and a second ballot taken. This procedure shall be repeated until one candidate receives a majority vote.

The Council AdCom may hold contingent elections to be effective if an elected officer fails to accept office, is disapproved by IEEE Headquarters because there has been some irregularity in the nominations and election procedures, or has failed to maintain IEEE membership and Society membership.

Section 8. The President of the Council shall inform each successful candidate of election and shall arrange for the transfer of responsibility. The name of each elected officer shall be reported to the Chairman and Secretary of the IEEE Technical Activities Board.

## ARTICLE IV

## STANDING COMMITTEES

Section 1. The Standing Committees shall include the following:

Meetings Committee
Publications Committee
Nominating Committee
Constitution and By-Laws Committee

Section 2. The Council may establish such additional Standing Committees as may be deemed desirable.

Section 3. Each Standing Committee shall have the power to create subcommittees of its own selection.

Section 4. The organization of each Conference or Technical Meeting sponsored by the Council shall include a Steering Committee and a Program Committee whose Chairperson shall be appointed by the President upon the recommendation of the Meetings Committee and with the advice and consent of the Council AdCom. The individual members of the respective committees should be appointed by the above officials. The Meetings Committee, with approval of the Council, may plan, organize and sponsor other activities held in conjunction with Conferences of other societies.



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Section 5. The Publications Committee shall establish publication policy subject to annual review by the Council. It shall assist the appropriate Editors of Council Periodicals in the choice of special topics and in guiding and planning all Publications.

Editors may designate associate editors, special guest editors, and manuscript reviewers, doing so in accordance with general IEEE statements of Policy.

Editorial expenses must be in accordance with an annual budget approved by the Council. Editors may authorize publication expenses, but shall be responsible for adherence to the publication budget.

Section 6. The Nominating Committee shall be appointed by the President of the Council in accordance with the provisions of the Constitution and Article III, Section 1, of these By-Laws. it shall have the duties described in Article III, Sections 1, 2, 3, 4, of these By-Laws. the Chairperson of the Nominating Committee shall be the past president of the Council.

Section 7. The Secretary of the Council shall serve as the Chairperson of the Constitution and By-Laws Committee. Additional members may be appointed by the President upon request of the Council's AdCom.

The functions of the Constitution and By-Laws Committee will be to:

a. Maintain up-to-date copies of the Constitution and By-Laws and make them available upon request.

b. Ascertain that the Constitution and By-Laws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution or By-Laws as necessary to conform to the development of the Council or to changes by IEEE Headquarters.

d. The Chairperson of the Constitution and By-Laws Committee shall serve as Parliamentarian and Consultant on Procedural matters at meetings of the Council AdCom.

## ARTICLE V

## FINANCES

Section 1. The Treasurer shall submit a proposed Council budget for the ensuing year in accordance with IEEE budget development guidelines. When approved by the Council and the TAB ~~OpCom~~, this budget shall become the working budget for the following year. This approved budget will constitute authorization to the Treasurer to disburse the funds in amounts not to exceed any budgeted item.

The Treasurer shall be responsible for forwarding to IEEE Headquarters the approved budget, and Headquarters will be thereby authorized to disburse the funds in accordance with instructions from the Treasurer.

The Treasurer shall obtain a financial statement of receipts, expenditures, and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all members of the Council AdCom. The treasurer shall also keep a running account of commitments to date.



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1. by e.mail to
marks@blake.acs.washington.edu

2. by FAX ~~= Atlantic~~
"Attention ~~Bob~~ Bob Marks"
(206) 543-3842

3. by conventional surface mail to the address on the letterhead.
↑ me at

BACKGROUND:

MOTION 1: At the last INNC meeting ~~in at the last IJCNN, a draft of the enclosed constitution was d~~ an earlier draft of the Council Constitution was felt to require some minor modifications. A committee, Chaired by Herb Rauch, with advice from Tray Nagle and members Tony Ephremides and Wes Snyder ~~and (Tray Nagle as an advisor~~, were chartered to make these modifications. The next deadline for submission

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# CONSTITUTION AND BYLAWS

## FOR THE IEEE COUNCIL ON ~~ROBOTICS AND AUTOMATION~~ NEURAL NETWORKS

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# CONSTITUTION

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# PROPOSED CONSTITUTION FOR THE IEEE COUNCIL ON ~~ROBOTICS AND AUTOMATION~~ NEURAL NETWORKS

## ARTICLE I

## NAME AND OBJECTIVES

Section 1. The name of the organization constituted herein shall be the IEEE Council on ~~Robotics and Automation (CRA)~~. NEURAL NETWORKS (NN)

Section 2. The purpose of the Council is to advance and coordinate work in the field of Robotics and Automation carried out throughout the IEEE and as such is exclusively scientific, literary and educational in character. In furtherance of the foregoing, the Council may publish appropriate periodicals, sponsor IEEE Robotics and Automation related conferences and conference sessions, sponsor IEEE Press publications, and engage in any other activity within its field of interest. All such actions must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, with special attention to such aims within the field of interest of the Council as are hereinafter defined.

## ARTICLE II

## FIELD OF INTEREST

Section 1. The field of interest of the Council and its activities and programs shall consist of aspects of the theory, design, and applications of neural networks that range from software to hardware. It shall include the following aspects of and applications of neural networks: adaptive systems, biological systems, self-organizing ~~organizing~~ systems, network dynamics, network architectures, learning algorithms, associative memories, image processing, vision, speech recognition, robotics and controls, novel applications, combinatorial optimization, photonic implementation, and electronic implementation.

~~[illegible] technology to be applied to Robotics and Automation~~. Changes to the field of interest may be made with approval of the IEEE Technical Activities Board and its Operating Committee.

## ARTICLE III

## MEMBERSHIP OF THE COUNCIL

Section 1. The Council shall be composed of IEEE Societies which have demonstrated a strong interest in Robotics and Automation and are supporting technical activities in the field. These Societies must agree to share the responsibility for all obligations, of the Council, including financial in accordance with this Constitution and the Council Bylaws.

Section 2. Each new Member Society must be approved by a two-thirds affirmative vote of the voting members of the Council AdCom, and by the IEEE Technical Activities Board before it may join the Council.

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Section 3. If a Member Society does not have any representative present at any of the Council AdCom meetings held during a calendar year and is inactive in Council affairs, the Member Society may be dropped from Council membership. Notice of such proposed action shall be given to the President of the delinquent Society at least twenty days before the Council AdCom meeting where such action will be considered. Such action must be approved by two-thirds of the AdCom members present and voting and by the Operating Committee of the IEEE Technical Activities Board before it becomes final.

Section 4. The officers of the Council shall be as follows: President, Vice-President, Secretary, and Treasurer. (Note: Refer to Article IV Section 1 for definition of Vice-President).

Section 5. Council business will be conducted by its AdCom which will include both voting and non-voting members. The voting members will be:

a. Two representatives to be appointed by each Member Society.

b. The President, Vice-President, the Secretary, and the Treasurer (or if combined, the Secretary/Treasurer).

c. The most recent available immediate past President of the Council.

d. The Chairperson of the Meetings Committee and the Chairperson of the Publications Committee.

An individual may not serve concurrently as both a Council officer and a Council Member Society - representative. When a Member Society representative is elected to a Council office, the Council office shall take precedence over the Society appointment, and any resulting vacancy(s) shall be filled promptly by the appropriate Society.

Section 6. Each representative and officer on the Council must be an IEEE member.

Section 7. The term of office of a Member Society representative on the Council shall be two years with each of the two Society representatives appointed by the Society in alternate years. No Society representative shall be eligible to serve more than four consecutive years. An unexpired term filled for more than six months shall count as a full year. Reappointment after the completion of any term of four consecutive years may be made only after a lapse of at least one year.

Section 8. When a within-term Council representative vacancy occurs, the Council President shall request the appropriate Society to appoint a representative to complete the unexpired term.

Section 9. The non-voting ex-officio members of the Council AdCom will be:

a. The Director of the Division in which the Council resides.

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b. The TAB Staff Secretary.

c. The General Manager of IEEE.

d. The IEEE Vice-President for Technical Activities

Section 10. Except for those AdCom meetings specifically designated as closed, any other IEEE Society which is not a member of the Council may send a non-voting liaison representative to attend for the purpose of establishing lines of communication between the Council and the parent Society represented.

## ARTICLE IV

## ELECTION AND APPOINTMENT OF OFFICERS

Section 1. Every year, the voting members of the Council AdCom shall elect a Vice-President at the Annual Meeting. The Vice-President shall serve for one year, and will become Council President on January 1st to serve a 1-year term in that capacity.

Section 2. Officers shall be elected and appointed in accordance with the rules specified in the Council Bylaws.

Section 3. If the Office of President becomes vacant, the Vice-President shall become President for the remainder of the term assumed. If the office of Vice President becomes vacant, the voting members of the Council AdCom shall elect a new Vice-President promptly.

## ARTICLE V

## POWERS, PRIVILEGES, AND DUTIES

Section 1. It shall be the duty of each representative of a Member Society to participate in matters before the Council AdCom and to keep the Administrative Committee of the Society represented informed concerning Council business. Members of any Member Society AdCom may attend any open meeting of the Council as observers.

Section 2. The duties and responsibilities of the officers and members of the Council AdCom shall be as defined hereunder and in the Bylaws, and as further delineated by the Council.

Section 3. The Vice-President shall appoint for a term concurrent with his presidency, the Council Secretary and Treasurer, as well as Editors of Council's Periodicals, the Chairperson of the Publications Committee and the Chairperson of the Meetings Committee on or before January 1st of the year in which he takes office as President. All appointments shall be made with the advice and consent of the Council AdCom. The Secretary, Treasurer, Editors, and Chairperson appointments need not be made from among the individuals who are on the Council AdCom as Society representatives; but if such selections seem to be in the best interest of the Council, the resulting vacancies must be filled promptly in accordance with Article III, Section 5.

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Section 4. The Council President, under the direction of Council AdCom, shall call all regular, annual, and special Council AdCom meetings and shall preside over them. The President shall coordinate and supervise activities of the Council and have such other powers and perform such other duties as may be provided for in the Council Constitution or Bylaws or as may be delegated to the President by vote of the Council AdCom. Included in the President's duties shall be the responsibility to see that the orders and resolutions of the Council, the IEEE Technical Activities Board, the IEEE Executive Committee, and the IEEE Board of Directors are carried out. The President shall be an ex-officio members of all standing and special committees of the Council except the Nominating Committee, and may vote at Council meetings if necessary to break a tie and during the election of officers.

The President shall also be an ex-officio member of the IEEE Technical Activities Board, and, when notified of a meeting of said Board, shall ensure representation of the Council.

Section 5. Standing committees may be established as needed. With the advice and consent of the Council AdCom, the President shall appoint committee officers (and members, if such action is not specifically delegated in the establishment action of the Council) and shall fill any vacancies that occur during the year.

Individuals appointed as committee officers or members shall serve a nominal term of one year but shall continue to serve until their successors are appointed or the committee is dissolved, except where other terms are specifically designated by the Constitution or Bylaws.

The President may appoint ad hoc committees for special assignments as needed.

Section 6. The Vice-President shall assist the President in fulfilling all assigned duties, and shall assume the duties and have the power, privileges, and responsiblilties of the President during the latter's absence or incapacity.

Section 7. The Secretary shall be responsible for all reports, petitions and records concerning the Council, keeping true and faithful minutes of all meetings of the Council AdCom, and shall prepare such reports as may be required by the Council, the IEEE Technical Activities Board, or the IEEE Executive Committee. The Secretary shall send out notices when instructed to do so by the President or in accordance with requirements of the Council Constitution or Bylaws. Copies of all meeting notices, minutes of meetings, and letters or bulletins sent and received during the previous two years shall be kept by the Secretary, except for those specifically assigned to the custody of others, and the Secretary shall send current copies to IEEE Headquarters for archival storage.

In the absence or incapacity of the President and Vice-President, the Secretary shall perform the duties of the President and have all Presidential powers, privileges, and responsibilities during the absence or incapacity of the President and Vice-President.

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Section 8. The Treasurer shall propose a budget for Council operation to be endorsed by Council AdCom and approved by TAB Operating Committee and shall monitor expenditures to verify that they are in accordance with the approved budget. The Treasurer shall prepare financial reports as requested by the Council President, and shall keep the Treasurers of the Member Societies informed on Council financial matters affecting their budgets. The Council Treasurer shall approve the Conference budgets after they are approved by the Meetings Committee prior to being forwarded to IEEE Headquarters for review and final approval.

The Treasurer may utilize the services of IEEE Headquarters as bursar for all or part of the Council funds, as provided by the IEEE Bylaws and Statements of Policy. If any part of the Council funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to Council Bylaws and any other limitations imposed by the Council. Disbursements shall be made on the signature or instructions of the Treasurer. If the Treasurer is disabled or unable to serve, the President may make disbursements during his incapacity.

Section 9. The President, elected and appointed officers shall normally assume office on January 1st or as soon thereafter as practicable.

Section 10. The officially constituted officers of the Council shall have the sole authority to obligate the funds and assets of the Council to promote the Council's activities, provided that no Council officer or representative shall have authority to contract debts for, pledge the credit of, or in any way bind the IEEE for activities prohibited by the Bylaws of the IEEE, the Constitution and Bylaws of the Council, or by regulations published in the Technical Activities Manual.

Section 11. No officer of the Council, representative on Council AdCom, or Editor shall receive, directly or indirectly, any honorarium, traveling expenses, compensation, or emolument from the Council as an officer or in any other capacity unless authorized by Council AdCom or by the Bylaws of the Council in a manner in conformity with IEEE policies and procedures.

## ARTICLE VI

## FINANCIAL SUPPORT & EXPENDITURES

Section 1. The financial support for the Council shall be derived from subscription sales of Council Publications, any surplus from the Conferences organized or sponsored by the Council, other programs and products sponsored by the Council, and allocations of funds provided by the Member Societies.

Section 2. The Council may raise revenues by other means provided such means are consistent with applicable IEEE rules and regulations and are within the approved Council field of interest. The Council must receive an opinion from the General Manager of the IEEE that any revenue means not explicitly covered by IEEE Statements of Policy does not conflict with IEEE policy before being adopted by the Council.

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Section 3. Monies held by or for the Council legally belong to the IEEE, and shall not be expended for activities prohibited by the Constitution, By-Laws and Statements of Policy of the Institute, the Constitution and By-Laws of the Council, by regulations published in the IEEE Technical Activities Board Manual, or any other purposes known to be inimical to the interests of the IEEE. Returns from investment of Council funds shall be credited to the Council.

## ARTICLE VII

## COUNCIL MEETINGS

Section 1. The Council shall hold an Annual Meeting. Additional meetings of the Council, represented by its AdCom, may be held at such times as are found necessary or convenient. Meetings of the Council AdCom may be called at the discretion of the Council President or upon request by at least four AdCom members. The time, place and agenda shall be announced to all members of the Council AdCom at least twenty days in advance of the meeting, or by first-class mail to the address of record of each Council AdCom Member at least twenty-five days in advance of the meeting.

Section 2. The Annual meeting of the Council shall normally be the last AdCom meeting of the year held at a time and place designated by the President.

Section 3. One-third of the voting members of the Council AdCom, which must include representatives from at least one-third of the Member Societies, shall constitute a quorum. Written proxies will not be accepted in determining the quorum. The Chairperson of the Publications Committee, and the Chairperson of the Meetings Committee, the Secretary, and the Treasurer shall be ex-officio members of the Council with a vote on all matters except election of officers and changes to the Constitution and By-Laws. If the offices of Secretary and Treasurer are combined, there shall be one vote by the officer.

Section 4. If a regular representative from a Member Society is unable to attend a meeting of the Council AdCom, the President of the Member Society may designate an alternate by a letter of proxy, who shall have all the powers of the regular representative. Officers of the Council may not delegate their powers by proxy.

Section 5. Business of the Council may be transacted by correspondence, or other telecommunication means where in the opinion of the President matters requiring action can be adequately handled in that manner. All such business must be confirmed promptly in writing. All voting members of the Council should be informed on such interim actions, and a majority of the entire Council must be reached for ratification of the actions, if balloting is necessary, unless otherwise provided by the Constitution of By-Laws.

Section 6. If less than a quorum is in attendance at duly called

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meetings, tentative actions may be taken that will become effective upon subsequent ratification, either at a subsequent meeting or by mail, as specified in Section 5 above.

## ARTICLE VIII

## PUBLICATIONS

Section 1. All Council publication activities shall be subject to IEEE policies, and to any further guidance or controls prescribed by the Council AdCom or its duly appointed committees.

Section 2. The Council may publish appropriate Periodicals in accordance with IEEE Policies and Procedures. Selection of the published material shall be in accordance with the objectives and policies of IEEE and the Council.

Section 3. The Council President, with the advice and consent of the Council AdCom, shall appoint the Editors who shall in turn appoint associate and/or guest editors as may be required to implement the publications program.

## ARTICLE IX

## CONFERENCE AND TECHNICAL MEETINGS

Section 1. All Council conferences and technical meeting activities shall be subject to IEEE policies, and to any further guidance or controls prescribed by the Council or its duly-appointed committees.

Section 2. The Council shall determine the time and location of each sponsored Conference and technical meeting.

## ARTICLE X

## RECALL

Section 1. If at any time during the year and for any reason the best interests of the Council seem to require a change in Member Society representatives or officers, the matter shall be discussed at a regular or a special meeting of the Council AdCom called for the purpose of considering and voting upon the recommended change. At least twenty days before the Council AdCom meeting, notice of such proposed action shall be given to all appropriately interested individuals, including the President and Secretary of each Member Society involved and the Chairman and Secretary of the IEEE Technical Activities Board.

Section 2. An affirmative vote of two-thirds of the voting members of the Council AdCom shall be necessary to declare a vacancy for cause.

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For the purposes of this Section, an abstention shall be counted as a cast negative vote.

## ARTICLE XI

## AMENDMENTS

Section 1. Sections of this Constitution may be adopted or amended by action of the Council at a regular or special meeting if the following provisions are met:

a. Notice of the meeting and of the proposed change(s) must be mailed by first-class mail to the last-known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

b. A two-thirds affirmative vote of the votes cast by the members of the Council AdCom is required for passage.

c. An amendment may be approved by a mail ballot if at least a thirty-day period is provided for responses, and two-thirds of the entire Council AdCom votes affirmatively.

d. The Amendment shall become effective immediately after ratification by the IEEE Technical Activities Board and its Operating Committee

Section 2. By-Laws to this Constitution may be adopted or amended by a majority affirmative vote of the votes cast by the Council AdCom at a regular or special meeting, provided that notice of the meeting and a copy of the proposed change(s) is mailed by first-class mail to the last known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

A By-Law may also be adopted or amended by a mail ballot provided that a copy of the proposed change(s) is mailed to the last known address of each member of Council AdCom, at least thirty days are allowed for a reply, and a majority of the entire Council AdCom votes affirmatively.

The new By-Law or Amendment shall be filed with the Secretary of the IEEE Technical Activities Board at least twenty days prior to the effective date.

Section 3. The Constitution, By-Laws, and Statements of Policy of the IEEE shall, at all times, take precedence over those of the Council.

Section 4. All amendments to the Constitution or By-Laws shall become effective immediately after all required approvals have been obtained, unless a later date has been specified at the time of the vote.

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Constitution Adopted:_____

To Be Effective:_____

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PROPOSED BYLAWS FOR THE

IEEE COUNCIL ON ~~ROBOTICS AND AUTOMATION~~ NEURAL NETWORKS

These By-Laws provide detailed guidance for the supervision and management of Council affairs, in accordance with the Council Constitution. Amendments or additions may be made by means of the procedures described in Article XI, Section 2, of the Constitution.

## ARTICLE I

## RULES OF ORDER

Section 1. In all matters not covered by the Constitution, By-Laws, and Rules, the Council shall be governed by the latest edition of Robert's Rules of Order.

## ARTICLE II

## MEMBER SOCIETIES

Section 1. The Member Societies of the Council shall be those formally admitted by the IEEE Technical Activities Board in accordance with the Council Constitution. A current listing of Member Societies will be maintained by the TAB Secretary at IEEE Headquarters.

Section 2. Any Member Society unwilling or unable to continue to share responsibilities as defined in the Council Constitution may resign from the Council. When a letter of resignation has been received by the Council Secretary, the resigning Society shall be dropped from the Council roll at the end of the calendar year. Any former Member Society may later rejoin, without prejudice, on the same basis as any new applicant.

## ARTICLE III

## NOMINATIONS, ELECTIONS, AND APPOINTMENTS

Section 1. The Nominating Committee, which is a Standing Committee of the Council, shall consist of a Chairperson and three other members. At least one shall not be a current Council member but shall belong to at least one Member Society. The officers of the Council may not serve on the Nominating Committee nor be members ex-officio.

Section 2. The Chairperson of the Nominating Committee shall consult with each candidate prior to nomination to determine willingness to serve if elected.

Section 3. The Nominating Committee shall be guided in its selections by the principles of efficiency, geographical distribution, past history, and technical interest.

Section 4. The Chairperson of the Nominating Committee shall submit the Committee Report to the Council AdCom at the beginning of its Annual

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Meeting, or with the approval of the Council President, by letter to all qualified voting officers and representatives on the Council AdCom prior to the Annual Meeting. From the floor of the same meeting or by letters mailed to the entire Council AdCom, the officers and representatives may make additional nominations.

Section 5. The names of any candidates of the Council who are not eligible under the Constitution or By-Laws shall be withdrawn by the President of the Council.

Section 6. Election of the Vice-President, whenever a vacancy exists, shall be from those nominated as specified in these By-Laws, Article III, Sections 2, 3, 4, and 5. Elections shall be by secret ballot of the voting members of the Council AdCom. For the first year of operation of the Council, the President and Vice-President must be elected by secret ballot directly by the Council AdCom. Nominations must be made by the voting AdCom members.

Section 7. If any Council office becomes vacant at any time during the year, and if the vacant office cannot be filled by logical succession of an existing Council officer as described in the Constitution and By-Laws, the Council will promptly hold an election to fill the existing vacancy. As needed, elections shall be held separately for the offices of President, Vice-President in that order. To be elected, a nominee must receive a majority of the proper votes cast. If no candidate receives a majority on a ballot, the name of the candidate receiving the smallest vote shall be withdrawn and a second ballot taken. This procedure shall be repeated until one candidate receives a majority vote.

The Council AdCom may hold contingent elections to be effective if an elected officer fails to accept office, is disapproved by IEEE Headquarters because there has been some irregularity in the nominations and election procedures, or has failed to maintain IEEE membership and Society membership.

Section 8. The President of the Council shall inform each successful candidate of his election and shall arrange for the transfer of responsibility. The name of each elected officer shall be reported to the Chairman and Secretary of the IEEE Technical Activities Board.

## ARTICLE IV

## STANDING COMMITTEES

Section 1. The Standing Committees shall include the following:

Meetings Committee
Publications Committee
Nominating Committee
Constitution and By-Laws Committee

Section 2. The Council may establish such additional Standing Committees as may be deemed desirable.

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Section 3. Each Standing Committee shall have the power to create subcommittees of its own selection.

Section 4. The organization of each Conference or Technical Meeting sponsored by the Council shall include a Steering Committee and a Program Committee whose Chairperson shall be appointed by the President upon the recommendation of the Meetings Committee and with the advice and consent of the Council AdCom. The individual members of the respective committees should be appointed by the above officials. The Meetings Committee, with approval of the Council, may plan, organize and sponsor other activities held in conjunction with Conferences of other societies.

Section 5. The Publications Committee shall establish publication policy subject to annual review by the Council. It shall assist the appropriate Editors of Council Periodicals in the choice of special topics and in guiding and planning all Publications.

Editors may designate associate editors, special guest editors, and manuscript reviewers, doing so in accordance with general IEEE statements of Policy.

Editorial expenses must be in accordance with an annual budget approved by the Council. Editors may authorize publication expenses, but shall be responsible for adherence to the publication budget.

Section 6. The Nominating Committee shall be appointed by the President of the Council in accordance with the provisions of the Constitution and Article III, Section 1, of these By-Laws. It shall have the duties described in Article III, Sections 1, 2, 3, 4, of these By-Laws. The Chairperson of the Nominating Committee shall be the past president of the Council.

Section 7. The Secretary of the Council shall serve as the Chairperson of the Constitution and By-Laws Committee. Additional members may be appointed by the President upon request of the Council's AdCom.

The functions of the Constitution and By-Laws Committee will be to:

a. Maintain up-to-date copies of the Constitution and By-Laws and make them available upon request.

b. Ascertain that the Constitution and By-Laws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution or By-Laws as necessary to conform to the development of the Council or to changes by IEEE Headquarters.

d. The Chairperson of the Constitution and By-Laws Committee shall serve as Parliamentarian and Consultant on Procedural matters at meetings of the Council AdCom.

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ARTICLE V

FINANCES

Section 1. The Treasurer shall submit a proposed Council budget for the ensuing year in accordance with IEEE budget development guidelines. When approved by the Council and the TAB OpCom, this budget shall become the working budget for the following year. This approved budget will constitute authorization to the Treasurer to disburse the funds in amounts not to exceed any budgeted item.

The Treasurer shall be responsible for forwarding to IEEE Headquarters the approved budget, and Headquarters will be thereby authorized to disburse the funds in accordance with instructions from the Treasurer.

The Treasurer shall obtain a financial statement of receipts, expenditures, and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all members of the Council AdCom. He shall also keep a running account of commitments to date.

Section 2. The financial support for the Council shall be derived from the income from sales of the Council Periodicals, Books and IEEE Press publications, and from its share of any surplus from the Council sponsored Conferences. The Periodicals subscription prices to members of the Council Member Societies shall be set to be no less than self-sustaining.

When a Council Periodical becomes available, then as soon as feasible after September 30th of each calendar year, the subscription list of the Council's Publications shall be tabulated by IEEE Headquarters, broken down by Council Member Societies. An individual who belongs to more than one Council Society will be counted in each for the purpose of the following calculations.

Section 3. In the event of a distribution of surplus, or payment of a deficit, each Council Member Society shall receive or pay ~~a~~ an equal share

However, after the second year of publication of the Council Periodical, another method of distribution or payment shall prevail as explained in the following Section

Section ~~3~~ 4. In the event of a distribution of surplus, or payment of a deficit, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the Periodicals to the total number of subscribing members in the Council. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. ~~If less than ten percent of the members of a Member Society subscribe, the share used for this calculation will be ten percent of its membership.~~

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Section 4. After the second year of publication, in October of each year, the President and the Council Treasurer shall determine whether any Member Societies are not meeting the ten percent subscription requirement for the current year and so advise the Treasurer of each Society. The President shall request from Headquarters to transfer from those delinquent Societies to the Council an amount equal to one half the difference based on the agreed upon cost per subscriber between the sum for a ten percent subscription level and that for the actual number of subscriptions by its members. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

Section 5. The Treasurer of Council sponsored Conferences is authorized to open an account in the Conference's name, to be used for the deposit and disbursement of funds related to the Conference. The Council shall be advised of the name of the bank, the anticipated size of the account, the names of the account signatories and of arrangements for insurance and bonding, all of which must be in accordance with IEEE policies and procedures.

Section 6. To provide initial start up funds for the Council, each member Society will commit 10,000 dollars from which funds may be drawn by the Council for its activities. Any funds drawn by the Council from this commitment will be on a uniform basis for all member Societies. As sufficient Council reserves become available, the Council will return the received monies to the member Societies on a uniform basis before any other distribution of funds to the Societies may be considered.

## ARTICLE VI

## COUNCIL MEETINGS

Section 1. The Secretary shall announce to the members of the Council AdCom all Chairpersons of Standing and Special Committees and appropriate guests of the time, place, and agenda of all meetings of the Council AdCom at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. A roll call shall be made at the beginning of each Council AdCom meeting. The Secretary shall record the names of those present and announce whether a quorum exists.

Section 3. The Secretary shall transmit in writing within ten days of their adoption all motions, directives, or orders of the Council to the persons affected. He shall transmit a copy of the minutes of the Council AdCom to the officers, members of the Council AdCom, Chairpersons of the Standing and Special Committees, and to the Secretary of the IEEE Technical Activities Board Operating Committee within thirty days of the meeting. As soon after January 1st as practicable, he shall provide a directory listing the names and addresses of all of the above-mentioned people to each person named therein.

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Section 4. The Chairpersons of all Standing Committees who are not voting members of AdCom shall be invited to attend all meetings of the Council AdCom as guests and advisors.

Section 5. Meetings of the Council AdCom may be cancelled only by consent of a majority of all the members of the Council not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given all Council AdCom members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 6. Meetings of the Council AdCom may be held at international or regional technical meetings or conventions of the IEEE, jointly with a Section, separately, or jointly with another society, whenever such a meeting is deemed desirable by the Council.

By-Laws adopted_____ to be effective_____

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# APPENDIX LXXVII

## POWER ELECTRONICS COUNCIL CONSTITUTION & BYLAWS

November, 1982

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# CONSTITUTION

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# PROPOSED CONSTITUTION FOR THE IEEE POWER ELECTRONICS COUNCIL

## ARTICLE I
## NAME AND OBJECTIVES

Section 1. The name of the organization constituted herein shall be the IEEE Power Electronics Council.

Section 2. The purpose of the Council is to advance and coordinate work in the field of Power Electronics carried on throughout the IEEE, and as such is exclusively scientific, literary, and educational in character. In furtherance of the foregoing, the Council may publish appropriate periodicals, sponsor IEEE power electronics conferences, sponsor IEEE Press publications, and take such other cooperative action in its field as is mutually agreed to by the Societies belonging to the Council and approved by the IEEE Technical Activities Board. All such actions must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, with special attention to such aims within the field of interest of the Council as are hereinafter defined.

## ARTICLE II
## FIELD OF INTEREST

Section 1. The field of interest of the Council and its activities and programs shall consist of aspects of power electronics defined as that area of electronics technology concerned with the control and conversion of electric power. It includes device applications, circuit design theory, component technology, and the use of analytical tools. Included are scientific, technical, aerospace, and industrial applications, as well as other activities that contribute to the field or utilize the techniques or products of the field;



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b. The President, President-Elect or Vice-President, the Secretary, and the Treasurer (or if combined the Secretary/Treasurer).

c. The most recent available immediate past President of the Council.

d. The Chairman of the Steering Committee of the IEEE International Power Electronics Conference (IPEC), and the Editor of the IEEE Power Electronics Journal.

An individual may not serve concurrently as both a Council officer and a Council Member Society representative. When a Member Society representative is elected to a Council office, the Council office shall take precedence over the Society appointment, and any resulting vacancy(s) shall be filled promptly by the appropriate body(s).

Section 6. Each representative and officer on the Council must be an IEEE member.

Section 7. The term of office of a Member Society representative on the Council shall be two years with each of the two Society representatives appointed by the Society in alternate years. No representative shall be eligible to serve more than four consecutive years. An unexpired term filled for more than six months shall count as a full year. Reappointment after the completion of any term of four consecutive years may be made only after a lapse of at least one year.

Section 8. When a within-term Council representative vacancy occurs, the Council President shall request the appropriate Society to appoint a representative to complete the unexpired term.

Section 9. The non-voting ex-officio members of the Council AdCom will be:

a. The Director of the Division in which the Council resides.

b. The TAB Staff Secretary.

c. The General Manager of IEEE.



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as observers and may, at the President's discretion, be allowed the floor but may not make motions, vote, or preside.

Section 2. The duties and responsibilities of the officers and members of the Council AdCom shall be as defined hereunder and in the Bylaws, and as further delineated by the Council.

Section 3. The President shall appoint the Council Secretary and Treasurer, as well as the Editor of the IEEE Power Electronics Journal, and the Chairman of the IPEC Steering Committee on or before January 1st of the year in which each takes office. These appointed officers shall serve terms of two years. All appointments shall be made with the advice and consent of the members of the Council AdCom. The Secretary, Treasurer, Editor, and Chairman appointments need not be made from among the individuals who are on the Council AdCom as Society representatives; but if such selections seem to be in the best interest of the Council, the resulting vacancies must be filled promptly in accordance with Article III, Section 5.

Section 4. Two members of the IPEC Steering Committee shall be appointed by the Council President with the advice and consent of the Council AdCom.

Section 5. The Council President, under the direction of Council AdCom, shall call all regular, annual, and special Council AdCom meetings and shall preside over them. The President shall coordinate and supervise activities of the Council and have such other powers and perform such other duties as may be provided for in the Council Constitution or Bylaws or as may be delegated to the President by vote of the Council AdCom. Included in the President's duties shall be the responsibility to see that the orders and resolutions of the Council, the IEEE Technical Activities Board, the IEEE Executive Committee, and the IEEE Board of Directors are carried out. The President shall be an ex-officio member of all standing and special committees of the Council except the Nominating Committee, and may vote at Council meetings if necessary to break a tie and during the election of officers.



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sent and received during the previous seven years shall be kept by the Secretary, except for those specifically assigned to the custody of others, and the Secretary shall send current copies to IEEE Headquarters for archival storage.

In the absence or incapacity of the President and Vice-President or President-Elect, the Secretary shall perform the duties of the President and have all Presidential powers, privileges, and responsibilities during the absence or incapacity of the President and Vice-President or President-Elect.

Section 9. The Treasurer shall propose a budget for Council operation to be endorsed by Council AdCom and approved by TAB OpCom, and shall monitor expenditures to verify that they are in accordance with the approved budget. The Treasurer shall prepare financial reports as requested by the Council President, and shall keep the Treasurers of the Member Societies informed on Council financial matters affecting their budgets. The Treasurer shall approve the IPEC budget after it is approved by the IPEC Steering Committee and prior to being forwarded to IEEE Headquarters for review and final approval.

The Treasurer may utilize the services of IEEE Headquarters as bursar for all or part of the Council funds, as provided by the IEEE Bylaws and Statements of Policy. If any part of the Council funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to Council Bylaws and any other limitations imposed by the Council. Disbursements shall be made on the signature or instructions of the Treasurer. If the Treasurer is disabled or unable to serve, the President may make disbursements during his incapacity.

Section 10. The President and appointed officers shall normally assume office on January 1st of the year following the two-year term of the previous President, or as soon thereafter as practicable. A President-Elect or Vice-President shall assume office on January 1st of the year following the Annual Meeting when elected, and shall normally continue in office until January 1st of the next year when a President-Elect becomes President, or a Vice-President retires.



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necessary or convenient. Meetings of the Council AdCom may be called by the President of the Council at his own discretion, or upon request by at least four AdCom members. The time, place, and agenda shall be announced to all voting and ex-officio Members of the Council AdCom at least twenty days in advance of the meeting, or by first-class mail to the address of record of each Council AdCom Member at least twenty-five days in advance of the meeting.

Section 2. The Annual meeting of the Council shall normally be the last AdCom meeting of the year held at a time and place designated by the President.

Section 3. Thirty percent of the voting members of the Council AdCom, which must include representatives from at least thirty percent of the Member Societies, shall constitute a quorum. All Council officers and voting AdCom members shall have an equal vote, except as otherwise provided in the Constitution or Bylaws. Written proxies will not be accepted in determining the quorum. The Editor of the IEEE Power Electronics Journal, the IPEC Steering Committee Chairman, the Secretary, and the Treasurer shall be ex-officio members of the Council with a vote on all matters except election of officers and changes to the Constitution and Bylaws. If the offices of Secretary and Treasurer are combined, there shall be one vote by the officer.

Section 4. If a regular representative from a Member Society is unable to attend a meeting of the Council AdCom, the President of the Member Society may designate an alternate by a letter of proxy, who shall have all the powers of the regular representative. Officers of the Council may not delegate their powers by proxy.

Section 5. In the conduct of business of the Council AdCom, Roberts Rules of Order will prevail, except as otherwise noted in the Constitution or the Bylaws.

Section 6. In addition to the regular meetings, special teleconference meetings may be called where in the opinion of the President and with the concurrence of two additional Council Officers, matters requiring urgent action can be adequately handled.



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Section 2. An affirmative vote of two-thirds of the voting members of the Council AdCom shall be necessary to declare a vacancy for cause. For the purposes of this Section, an abstention shall be counted as a cast negative vote.

## ARTICLE X
## AMENDMENTS

Section 1. Sections of this Constitution may be adopted or amended by action of the Council at a regular or special meeting if the following provisions are met:

a. Notice of the meeting and of the proposed change(s) must be mailed by first-class mail to the last-known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

b. A two-thirds affirmative vote of the votes cast by the members of the Council AdCom is required for passage.

c. An amendment may be approved by a mail ballot if at least a thirty-day period is provided for responses, and two-thirds of the entire Council AdCom votes affirmatively.

d. The Amendment shall become effective immediately after ratification by the IEEE Technical Activities Board.

Section 2. Bylaws to this Constitution may be adopted or amended by a majority affirmative vote of the votes cast by the Council AdCom at a regular or special meeting, provided that notice of the meeting and a copy of the proposed change(s) is mailed by first-class mail to the last known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

A Bylaw may also be adopted or amended by a mail ballot provided that a copy of the proposed change(s) is mailed to the last known address of each member of Council AdCom, at least twenty days are allowed for a reply, and a majority of the entire Council AdCom votes affirmatively.

The new Bylaw or Amendment shall be filed with the Secretary of the IEEE Technical Activities Board at least twenty days prior to the effective date.



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# PROPOSED BYLAWS FOR THE IEEE POWER ELECTRONICS COUNCIL

These Bylaws provide detailed guidance for the supervision and management of Council affairs, in accordance with the Council Constitution. Amendments or additions may be made by means of the procedures described in Article X, Section 2, of the Constitution.

## ARTICLE I
## RULES OF ORDER

Section 1. In all matters not covered by the Constitution, Bylaws, and Rules, the Council shall be governed by the latest edition of Robert's Rules of Order.

## ARTICLE II
## MEMBER SOCIETIES

Section 1. The Member Societies of the Council shall be those formally admitted by the Technical Activities Board in accordance with the Council Constitution. A current listing of Member Societies will be maintained by the TAB Secretary at IEEE Headquarters.

Section 2. Any Member Society unwilling or unable to continue to share responsibilities as defined in the Council Constitution may resign from the Council. When a letter of resignation has been received by the Council Secretary, the resigning Society shall be dropped from the Council roll at the end of the calendar year. Any former Member Society may later rejoin, without prejudice, on the same basis as any new applicant.



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the vacant office(s) cannot be filled by logical succession of an existing Council officer(s) as described in the Constitution and Bylaws, the Council will promptly hold an election to fill the existing vacancy. As needed, elections shall be held separately for the offices of President, Vice-President, or President-Elect in that order. To be elected, a nominee must receive a majority of the proper votes cast. If no candidate receives a majority on a ballot, the name of the candidate receiving the smallest vote shall be withdrawn and a second ballot taken. This procedure shall be repeated until one candidate receives a majority vote. Defeated candidates for President may be nominated for Vice-President or President-Elect.

The Council AdCom may make contingent elections to be effective if an elected officer fails to accept office, is disapproved by IEEE Headquarters because there has been some irregularity in the nominations and election procedures, or has failed to maintain IEEE membership and Society membership.

Section 8. The President of the Council shall inform each successful candidate of his election and shall arrange for the transfer of responsibility. The name of each elected officer shall be reported to the Chairman and Secretary of the IEEE Technical Activities Board.

Section 9. Appointments shall be made by the President-Elect and with the concurrence of the Council AdCom to the offices of Secretary and Treasurer for two year terms coinciding with his presidency.

## ARTICLE IV
## STANDING COMMITTEES

Section 1. The Standing Committees, each of which shall normally consist of two or more persons, shall include the following:

IPEC Steering Committee
Publications Committee



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Section 6. The Nominating Committee shall be appointed by the President of the Council in accordance with the provisions of the Constitution and Article III, Section 1, of these Bylaws. It shall have the duties described in Article III, Sections 1, 2, 3, and 4, of these Bylaws. The Chairman of the Nominating Committee shall be the past president of the Council.

Section 7. The Constitution and Bylaws Committee shall be appointed by the President of the Council in accordance with the provisions of the Constitution. The Chairman of this committee shall be selected from Member Society Representatives.

The functions of the Constitution and Bylaws Committee will be to:

a. Maintain up-to-date copies of the Constitution and Bylaws and make them available at each meeting of the Council AdCom.

b. Ascertain that the Constitution and Bylaws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution or Bylaws as necessary to conform to the developments of the Council or to changes by IEEE Headquarters.

d. The Chairman of the Constitution and Bylaws Committee shall serve as Parliamentarian and consultant on procedural matters at meetings of the Council AdCom.

e. The President of the Council shall be a member of the Constitution and Bylaws Committee.



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subscriptions purchased by its members and that which would have been paid if ten percent of the Member Societies members had subscribed.

Section 3. In the event of a distribution of surplus, or payment of a deficit, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the Journal to the total number of subscribing members in the Council. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. If less than ten percent of the members of a Member Society subscribe, the share used for this calculation will be ten percent of its membership.

Section 4. In October of each year, the President and the Treasurer shall determine whether any Member Societies are not meeting the ten percent subscription requirement for the current year and so advise the Treasurer of each Society. The President shall request IEEE Headquarters to transfer from those delinquent Societies to the Council an amount equal to one half the difference based on the agreed upon cost per subscriber, between the sum for a ten percent subscription level and that for the actual number of subscriptions by its members. Any surplus from the IEEE International Power Electronics Conference that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conference.

Section 5. The IPEC Steering Committee Treasurer is authorized to open an account to be used for the deposit and disbursement of funds related to the Conference. The Council shall be advised of the name of the bank, the anticipated size of the account, the names of the account signatories and of arrangements for insurance and bonding, all of which must be in accordance with IEEE policies and procedures.



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Section 6. Meetings of the Council AdCom may be held at international or regional technical meetings or conventions of the IEEE, jointly with a Section, separately, or jointly with another society, whenever such a meeting is deemed desirable by the Council.

Bylaws adopted _____ to be effective _____



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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

345 EAST 47th STREET, NEW YORK, NEW YORK 10017

DIRECT NUMBER
(212) 644- 7868

MEMORANDUM

To Emily Sirjane

From Esmi L. Bidstrup

Date December 9, 1980

Subject: IEEE Bylaws - January, 1981 Issue

Please note that at its December 4, 1980 meeting, the Technical Activities Board approved the formation of IEEE Power Electronics Council. This Council should be added to the listing in IEEE Bylaw 309.4(3).

The Technical Activities Board also established the TAB Periodicals Committee. This Committee should be added as a Standing Committee under TAB Operations Committees in IEEE Bylaw 309.4(4).

ELB:mgc

cc: Distribution (1), (2)



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TAB OpCom Agenda Item # IV-I

TAB Agenda Item # IV-H Tab # 10

# INFORMATION ITEMS FROM TAB OPCOM/TAB MEETINGS OF 12/3-4/80 FOR REPORTING TO IEEE EXECUTIVE COMMITTEE & BOARD OF DIRECTORS

Agenda Subject: Proposed Formation of IEEE Power Electronics Council

Action Taken by TAB OpCom:

Approved/Endorsed _____

Revised & Approved/Endorsed _____
(revised copy attached)

Disapproved _____

Tabled/Deferred _____

Action Taken by TAB:

Approved/Endorsed ✓ 2 OPPOSED

Revised & Approved/Endorsed
(revised copy attached)

Disapproved _____

Tabled/Deferred _____

Comments:

TAB recommends that the Executive Committee approve the creation of a Power Electronics Council and that Mr. Paul F. Pittman of Westinghouse Advanced Energy Systems Division, Pittsburgh chair an Ad Hoc Committee to handle the details of setting up a Council.

The Motion passed: 2 opposed: R. Stampfl and T. Regulinski.

EB:RT 12/4/80

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IEEE TECHNICAL ACTIVITIES
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
345 EAST 47TH STREET, NEW YORK, N.Y. 10017, U.S.A. (212) 705-7890

(212) 705-7868

March 29, 1989

Prof. Robert J. Marks II, Chairman
IEEE Neural Networks Committee
University of Washington
Dept. Electrical Engineering, FT-10
Seattle, WA 98195

Dear Prof. Marks,

Dr. Irving Engelson, Staff Director, IEEE Technical Activities has asked that I send you the Constitution and Bylaws of the IEEE Power Electronics Council and the IEEE Robotics and Automation Council. They are enclosed herewith.

In addition I have enclosed a copy of the IEEE Bylaws and Policy & Procedures Manual, which you may find useful. You will find Bylaws 311, Technical Activities Board, and 503, Technical Councils of particular interest.

Please note that the deadline for submission of agenda items and all supporting documentation for the June TAB and IEEE Executive Committee meetings is April 25. A copy of the guidelines for agenda submission is attached for your information.

If you have any questions or need other documents, please do not hesitate to call us.

Sincerely,

Esmi L. Bidstrup, Manager
TAB General Activities

Encl.

cc: Irving Engelson
Melvin I. Olken
Malvina Torto

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IEEE

NEURAL NETWORKS

HERBERT E. RAUCH
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA

April 20, 1989

Dear Bob,

Here is new stationery I have received. Let me know if you would like some.

Enclosed is the "Constitution and Bylaws" changes from the one we received on Robotics and Automation. I believe I have included all the pages that need changes. My suggestion is that you do the MINIMUM retyping and use the pages which do not need change as they were provided by the IEEE.

The two items that ~~could be~~ have been changed are (1) the Field of Interest (which was paraphrased from the scope of the Transactions) and (2) the distribution of surplus or payment of a deficit (in the Bylaws) which starts out like the current procdure used in the Neural Networks TEchnical Committee and then switches to the procedure suggested by the IEEE in the material they sent us. Notice I have taken out the "assessment" for not subscribing to the Neural Networks publication that was in the material the IEEE sent to us.

I hope this is of help to you.

Herb



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# PROPOSED CONSTITUTION FOR THE

# IEEE COUNCIL ON ROBOTICS AND AUTOMATION

## ARTICLE I

## NAME AND OBJECTIVES

Section 1. The name of the organization constituted herein shall be the IEEE Council on Robotics and Automation (CRA).

Section 2. The purpose of the Council is to advance and coordinate work in the field of Robotics and Automation carried out throughout the IEEE and as such is exclusively scientific, literary and educational in character. In furtherance of the foregoing, the Council may publish appropriate periodicals, sponsor IEEE Robotics and Automation related conferences and conference sessions, sponsor IEEE Press publications, and engage in any other activity within its field of interest. All such actions must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, with special attention to such aims within the field of interest of the Council as are hereinafter defined.

## ARTICLE II

## FIELD OF INTEREST

Section 1. The field of interest of the Council and its activities and programs shall consist of aspects of Robotics and Automation defined as that area of Electronics, Computers and Automation technology concerned with kinematics, dynamics, controls and simulation of robots and automatic machines, man-machine interface and management of flexible automation, vision and other sensory systems, locomotion, Robotics related computer hardware and software and integration with computer-aided engineering and management information systems. It also includes aspects of systems and control theory and applications, artificial intelligence, advanced computer programming languages, advanced sensor, electronic and manufacturing technology as applied to Robotics and Automation. Changes to the field of interest may be made with approval of the IEEE Technical Activities Board and its Operating Committee.

## ARTICLE III

## MEMBERSHIP OF THE COUNCIL

Section 1. The Council shall be composed of IEEE Societies which have demonstrated a strong interest in Robotics and Automation and are supporting technical activities in the field. These Societies must agree to share the responsibility for all obligations, of the Council, including financial in accordance with this Constitution and the Council Bylaws.

Section 2. Each new Member Society must be approved by a two-thirds affirmative vote of the voting members of the Council AdCom, and by the IEEE Technical Activities Board before it may join the Council.

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# BYLAWS

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# PROPOSED BYLAWS FOR THE

# IEEE COUNCIL ON ROBOTICS AND AUTOMATION

These By-Laws provide detailed guidance for the supervision and management of Council affairs, in accordance with the Council Constitution. Amendments or additions may be made by means of the procedures described in Article XI, Section 2, of the Constitution.

## ARTICLE I

## RULES OF ORDER

Section 1. In all matters not covered by the Constitution, By-Laws, and Rules, the Council shall be governed by the latest edition of Robert's Rules of Order.

## ARTICLE II

## MEMBER SOCIETIES

Section 1. The Member Societies of the Council shall be those formally admitted by the IEEE Technical Activities Board in accordance with the Council Constitution. A current listing of Member Societies will be maintained by the TAB Secretary at IEEE Headquarters.

Section 2. Any Member Society unwilling or unable to continue to share responsibilities as defined in the Council Constitution may resign from the Council. When a letter of resignation has been received by the Council Secretary, the resigning Society shall be dropped from the Council roll at the end of the calendar year. Any former Member Society may later rejoin, without prejudice, on the same basis as any new applicant.

## ARTICLE III

## NOMINATIONS, ELECTIONS, AND APPOINTMENTS

Section 1. The Nominating Committee, which is a Standing Committee of the Council, shall consist of a Chairperson and three other members. At least one shall not be a current Council member but shall belong to at least one Member Society. The officers of the Council may not serve on the Nominating Committee nor be members ex-officio.

Section 2. The Chairperson of the Nominating Committee shall consult with each candidate prior to nomination to determine willingness to serve if elected.

Section 3. The Nominating Committee shall be guided in its selections by the principles of efficiency, geographical distribution, past history, and technical interest.

Section 4. The Chairperson of the Nominating Committee shall submit the Committee Report to the Council AdCom at the beginning of its Annual

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## ARTICLE V

## FINANCES

Section 1. The Treasurer shall submit a proposed Council budget for the ensuing year in accordance with IEEE budget development guidelines. When approved by the Council and the TAB OpCom, this budget shall become the working budget for the following year. This approved budget will constitute authorization to the Treasurer to disburse the funds in amounts not to exceed any budgeted item.

The Treasurer shall be responsible for forwarding to IEEE Headquarters the approved budget, and Headquarters will be thereby authorized to disburse the funds in accordance with instructions from the Treasurer.

The Treasurer shall obtain a financial statement of receipts, expenditures, and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all members of the Council AdCom. He shall also keep a running account of commitments to date.

Section 2. The financial support for the Council shall be derived from the income from sales of the Council Periodicals, Books and IEEE Press publications, and from its share of any surplus from the Council sponsored Conferences. The Periodicals subscription prices to members of the Council Member Societies shall be set to be no less than self-sustaining.

When a Council Periodical becomes available, then as soon as feasible after September 30th of each calendar year, the subscription list of the Council's Publications shall be tabulated by IEEE Headquarters, broken down by Council Member Societies. An individual who belongs to more than one Council Society will be counted in each for the purpose of the following calculations.

If, after the second year of publication, less than ten percent of the membership of a Council Member Society subscribes to the Periodicals during any one year, the Member Society shall pay the Council an additional sum equal to one-half of the difference, at the agreed upon cost per subscriber, between that paid for the actual number of subscriptions purchased by its members and that which would have been paid if ten percent of the Member Societies members had subscribed.

Section 3. In the event of a distribution of surplus, or payment of a deficit, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the Periodicals to the total number of subscribing members in the Council. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. If less than ten percent of the members of a Member Society subscribe, the share used for this calculation will be ten percent of its membership.

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Section 4. After the second year of publication, in October of each year, the President and the Council Treasurer shall determine whether any Member Societies are not meeting the ten percent subscription requirement for the current year and so advise the Treasurer of each Society. The President shall request IEEE Headquarters to transfer from those delinquent Societies to the Council an amount equal to one half the difference based on the agreed upon cost per subscriber, between the sum for a ten percent subscription level and that for the actual number of subscriptions by its members. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

Section 5. The Treasurer of Council sponsored Conferences is authorized to open an account in the Conference's name, to be used for the deposit and disbursement of funds related to the Conference. The Council shall be advised of the name of the bank, the anticipated size of the account, the names of the account signatories and of arrangements for insurance and bonding, all of which must be in accordance with IEEE policies and procedures.

Section 6. To provide initial start up funds for the Council, each member Society will commit 10,000 dollars from which funds may be drawn by the Council for its activities. Any funds drawn by the Council from this commitment will be on a uniform basis for all member Societies. As sufficient Council reserves become available, the Council will return the received monies to the member Societies on a uniform basis before any other distribution of funds to the Societies may be considered.

## ARTICLE VI

## COUNCIL MEETINGS

Section 1. The Secretary shall announce to the members of the Council AdCom all Chairpersons of Standing and Special Committees and appropriate guests of the time, place, and agenda of all meetings of the Council AdCom at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. A roll call shall be made at the beginning of each Council AdCom meeting. The Secretary shall record the names of those present and announce whether a quorum exists.

Section 3. The Secretary shall transmit in writing within ten days of their adoption all motions, directives, or orders of the Council to the persons affected. He shall transmit a copy of the minutes of the Council AdCom to the officers, members of the Council AdCom, Chairpersons of the Standing and Special Committees, and to the Secretary of the IEEE Technical Activities Board Operating Committee within thirty days of the meeting. As soon after January 1st as practicable, he shall provide a directory listing the names and addresses of all of the above-mentioned people to each person named therein.

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April 29, 1983

Dear Committee Member,

I am sending you enclosed the Minutes of the Committee's Meeting in Chicago with copies of the approved Constitution and By-Laws submitted to the TAB for final approval.

I am looking forward for the final approval of the Council by TAB which will be a reward to our efforts of the past year. I would also like to take the opportunity to thank you for your contributions to this effort which I hope will give IEEE the well deserved leadership in Robotics and Automation.

Sincerely,

George N Saridis

George N. Saridis
Chairman, AdHoc
Robotics & Automation Survey Committee

GNS/ss

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# MINUTES OF THE 2ND MEETING OF THE IEEE AD HOC

## ROBOTICS AND AUTOMATION SURVEY COMMITTEE

April 21, 1983

Siegel Hall, Illinois Institute of Technology

Chicago, Illinois

The meeting of the Committee was called to order by George N. Saridis at 9:00 a.m. The following members of the Committee were in attendance:

Dr. A. Bejczy (CS)
Dr. W. Gruver (SMC)
Dr. J. Jarvis (COMP)
Dr. R. Klafter (AES)
Dr. G. Saridis (Chairman)
Dr. H. Sorenson (CS)
Dr. R. Volz (AES)
Dr. J. Nevins (SMC-Observer)

Regrets: Dr. H. Mergler (IE), Dr. T. Pavlidis (COMP), Dr. P. Rosenberg (AES).

1. The Chairman introduced the agenda of the meeting and announced the results of the survey performed by the Committee last fall, copies attached. He also presented Dr. Engelson's letter reporting their approval of the Council on Robotics and Automation by TAB at their February 17, 1983 meeting. He also presented the attached announcement about CRA, published at the "Institute" in the May 1983 issue.

2. The Chairman presented the Constitution and By-Laws prepared by the subcommittee composed of Dr. Gruver, Jarvis, Klafter, Saridis (Chairman), and Sorenson. After minor modifications, both documents were approved unanimously by the Committee. Attached are copies of the final version of the Constitution and By-Laws to be presented for approval to the TAB at the July 7, 1983 meeting.

3. Based on the approved Constitution (Article III, Section 1) and the results of the survey, the following six Societies will be recommended to the Technical Activities Board as initial Member Societies of the Council:

- -Aerospace Electronic (AES-10)
- -Components, Hybrids and Manufacturing Technology (CHMT-21)
- -Computers (COMP-16)
- -Control Systems (CS-23)
- -Industry Applications (IA-34)
- -Systems, Man and Cybernetics (SMC-28)

All the above six Societies and only them, met all three conditions asked in the questionnaire, e.g., Previous Robotics activities, Robotics and Automation type Committee, and intent to participate in the Council. The recommendation to TAB was approved unanimously.

4. Dr. George N. Saridis has been recommended by the Ad Hoc Committee to TAB to be the interim President of the Council until the end of this year with the mandate to organize the first Ad Com and elect the President and Vice-President for 1984 as in the By-Laws Article III Section 6.

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5. After considerable discussion, the Committee expressed the feeling that a Journal, with possibly multiple sections to cover various aspects of Robotics and Automation,would be the desirable publication for the Council. However, the decision about the type and format of such a publication was left to the Council.

6. Further discussion took place regarding the Council's Conferences. Dr. Jarvis announced the Computer Society's plans to organize the first International Conference on Robotics and Automation in Atlanta, Georgia, March 13-15, 1984. The Computer Society already asked the cooperation of the other Member Societies of the Council for the organization of this Conference which hopefully will be continued in the future by the Council. Suggestions were also made to review the paper presented at the Conference for the Council's Publication.

The Meeting was adjourned at 1:30 p.m. after it was agreed that the Chairman will contact TAB and Member Societies-to-be regarding the Ad Hoc Committee's recommendations.

George Saridis 4/27/83

G. N. Saridis
Chairman, Ad Hoc Robotics
& Automation Survey Committee

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# AGENDA OF THE ADHOC ROBOTICS COMMITTEE

April 21, 1983, IIT Chicago

1. Announcements
2. Approval of Constitution and Bylaws
3. Approval of recommendation for member Societies.
4. Recommendation for interim President of CRA.
5. Recommendation for Publication: Journal vs. Magazine.
6. Discussion on Conferences: Computer Society cooperative effort.
7. Adjournment.

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THE INSTITUTE Volume 7 Number 5
May 1983

# Robotics council is approved

The creation of an IEEE Technical Council on Robotics and Automation has been approved by the Technical Activities Board. A committee chaired by George N. Saridis, a professor in Rensselaer Polytechnic Institute's electrical, computer, and systems engineering department, Troy, N.Y., is drafting a constitution and bylaws that will be submitted to the Technical Activities Board in July.

In a letter informing Professor Saridis of the approval of the creation of this Council, Irving Engelson, Staff Director for Technical Activities, wrote, "It is my hope that only those Societies which have a strong interest in robotics and automation and have a history of some activity in that field will be given the opportunity to join. Robotics is an exciting area, and Societies should not merely jump on the bandwagon of popularity, but rather on the wagon of real interest."

Further information may be obtained from Prof. Saridis at the School of Engineering; Electrical, Computer, and Systems Engineering Department; Rensselaer Polytechnic Institute; Troy, N.Y. 12181.

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IEEE

**NEURAL NETWORKS**

Robert J. Marks II, Chairman
*IEEE Neural Networks Committee*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

10-05-89

Herbert E. Rauch
Lockheed
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-3333

Herb:

Apparantly, the versions of the neural network constitution got messed up. Here is, what I hope, is the right result. Would you please look it over & let me know whether I've finally got everything right.

I'll be at home tomorrow from 10:30 A.M. until about 2:00. If you find anything else wrong, give me a call. Otherwise, I will plan to send this version to TAB.

You, Litsa, Russ & I need to develop a stratigy for selling this at TAB. I'll set up a conference call.

The NNC, by the way, has okayed both motions.

Thanks!

My home phone is (206) 776-8995

Sincerely,

Robert J. Marks II, Chair
IEEE Neural Networks Committee

THERE IS A SINGLE PAGE IN THIS FAX TRANSMISSION.
THE ORIGINAL WITH AN ENCLOSURE IS BEING SENT BY OVERNIGHT MAIL
IT SHOULD BE RECEIVED ON FRIDAY, OCT. 6, 1989.



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University of Washington
Department of Electrical Engineering FT-10
Seattle, Washington 98195

Facsimile Cover Sheet

The following pages are for:
Attention: Ioshio Fukuda
Name of Firm: Nagoya University
Location of Firm: Japan
Facsimile Telephone Number: (052) 781-9243
From: Marks Phone: (206) 543-6990

This Transmission including cover page contains 2 pages.

Date: 10-23-90 Time: 12:15

Comments:

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX NUMBER (206) 543-3842

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IEEE

COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

October 23, 1990

Dr. Toshio Fukuda
Nagoya University
Department of Mechanical Engineering
Furo-Cho, Chikusa-Ku
Nagoya, Japan

Dear Toshio:

Until the status of the Japan IJCNN is clarified, I direct that you make no further commitments, financial or otherwise, concerning the conference.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary



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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

October 23, 1990

Evangelia Tzanakou, Secretary
IEEE Council on Neural Networks
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, New Jersey 08854

Dear Litsa,

Here is the final copy of the e-mail ballots of the recent NNC vote. The surface mail and FAX votes were sent to you previously.

Please report the final tally, including names of those who voted, at our next AdCom.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Russ Eberhart, NNC Vice President



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Received: from [133.69.128.13] by cout.cc.u-tokyo.ac.jp (5.61/6.4J.6-ut2.114)
id AA00794; Tue, 25 Sep 90 19:36:31 +0900
Received: from nucc.cc.nagoya-u.ac.jp (nucc.ARPA) by nugw.cc.nagoya-u.ac.jp (4.12/6
id AA00403; Tue, 25 Sep 90 09:41:26 JST
Received: by nucc.cc.nagoya-u.ac.jp (4.12/6.4J.6)
id AA00837; Tue, 25 Sep 90 09:40:58 JST
Date: Tue, 25 Sep 90 09:40:58 JST
From: d43131a@nucc.cc.nagoya-u.ac.jp (Tosio Fukuda)
Return-Path: <d43131a@nucc.cc.nagoya-u.ac.jp>
Message-Id: <9009250040.AA00837@nucc.cc.nagoya-u.ac.jp>
To: marks@blake.u.washington.edu
Status: R

Dear Prof. Marks:

According to NCC AdCom Ballot, I am sending this e-mail instead of the sheet by ordinary mail.

BALLOT

| | |
|---|---|
| 1. Awards | Yes |
| 2. IOC Agreement Change | Yes |
| 3. NNC Bylaw Change | Yes |
| 4. 1991 NNC Budget | Yes |
| 5. NNC Forums | Yes |
| 6. Standing Committee Chairs & Editor | Yes |

Toshio Fukuda

I am sorry not to send my signature. Afterward I will send the sheet by air mail for your confirmation.

With my best regards,

Toshio Fukuda
Nagoya University

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From rpl@sst.ll.mit.edu Thu Sep 20 13:28:51 1990
Received: from SST.LL.MIT.EDU by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA04361; Thu, 20 Sep 90 13:28:46 -0700
Received: by sst.ll.mit.edu (5.61/3.3.sst)
id AA08805; Thu, 20 Sep 90 16:28:27 -0400
Date: Thu, 20 Sep 90 16:28:27 -0400
From: rpl@SST.LL.MIT.EDU (Richard Lippmann)
Message-Id: <9009202028.AA08805@sst.ll.mit.edu>
To: marks@blake.u.washington.edu
Subject: Re: mail ballot
Status: R

I vote yes on all questions on the ballot.
Richard Lippmann

From @UWAVM.U.WASHINGTON.EDU:T_MILLER@UNHH.BITNET Fri Sep 21 07:25:01 1990
Received: from uwavm.u.washington.edu by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA23935; Fri, 21 Sep 90 07:24:58 -0700
Message-Id: <9009211424.AA23935@blake.u.washington.edu>
Received: from UWAVM.U.WASHINGTON.EDU by UWAVM.U.WASHINGTON.EDU (IBM VM SMTP R1.2)
Received: from UNHH.BITNET (T_MILLER) by UWAVM.U.WASHINGTON.EDU (Mailer R2.04)
with BSMTP id 6001; Fri, 21 Sep 90 07:23:52 PDT
Date: Fri, 21 Sep 90 10:13 EST
From: <T_MILLER%UNHH.BITNET@UWAVM.U.WASHINGTON.EDU>
Subject: NNC AdCom 8/30/90 Ballot
To: marks@blake.u.washington.edu
X-Original-To: marks@blake.acs.washington.edu, T_MILLER
Status: R

September 21, 1990

Robert J. Marks II, President
IEEE Council on Neural Networks
Dept. of Electrical Engineering
Univ. of Washington
Seattle, WA 98195
marks@blake.acs.washington.edu

Bob:

Here is my vote on the AdCom ballot dated 8/30/90.

| | |
|---|---|
| 1. Awards | YES |
| 2. IOC Agreement Change | YES |
| 3. NNC Bylaw Change | YES |
| 4. 1991 NNC Budget | YES |
| 5. NNC Forums | YES |
| 6. Standing Committee Chairs & Editor | YES |

W. Thomas Miller, III
Robotics and Automation Society Representative
Dept. of Electrical and Computer Engineering
Kingsbury Hall
Univ. of New Hampshire
Durham, NH 03824
t_miller@unhh.bitnet

From d43131a@nucc.cc.nagoya-u.ac.jp Tue Sep 25 03:37:58 1990
Received: from [192.41.197.3] by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA26650; Tue, 25 Sep 90 03:37:20 -0700
Received: from ccut.cc.u-tokyo.ac.jp by relay.cc.u-tokyo.ac.jp (5.61/2.7W)
id AA26695; Tue, 25 Sep 90 19:37:08 +0900

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Date: Tue, 18 Sep 90 15:10:13 EDT
From: Russ Eberhart <RCE1%APL.APL.WASHINGTON.EDU@UWAVM.U.WASHINGTON.EDU>
Subject: Re: mail ballot
To: Robert Marks <marks@blake.u.washington.edu>
In-Reply-To: Your message of Mon, 17 Sep 90 11:17:08 -0700
Status: R

I think I've sent you my ballot. But, just in case, I hereby vote in favor of all items.
***Russ Eberhart***

From deb@tweety.ipc.virginia.edu Wed Sep 19 07:20:58 1990
Received: from uvaarpa.Virginia.EDU by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA22946; Wed, 19 Sep 90 07:20:55 -0700
Received: from tweety.ipc.Virginia.EDU by uvaarpa.virginia.edu id aa24683;
19 Sep 90 10:20 EDT
Return-Path: <deb@tweety.ipc.Virginia.EDU>
Received: by tweety.ipc.Virginia.EDU (4.0/SMI-2.0)
id AA03293; Wed, 19 Sep 90 10:20:47 EDT
Date: Wed, 19 Sep 90 10:20:47 EDT
From: deb@tweety.ipc.Virginia.EDU (Donald Brown)
Message-Id: <9009191420.AA03293@tweety.ipc.Virginia.EDU>
To: marks@blake.u.washington.edu
Status: R

Bob,

Please count me as voting in favor of all items on the ballot (awards, IOC agreement change, NNC bylaw change, 1991 budget, NNC forums, and standing committee chairs and editor).

Thanks,

-Don Brown

From RSN@a.coe.wvu.wvnet.edu Wed Sep 19 14:39:48 1990
Received: from wvnvaxa.wvnet.edu by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA06145; Wed, 19 Sep 90 14:39:15 -0700
Message-Id: <9009192139.AA06145@blake.u.washington.edu>
Received: from A.COE.WVU.WVNET.EDU by WVNVMS.WVNET.EDU; Wed, 19 Sep 90 17:37 EDT
Date: Wed, 19 Sep 90 17:34 EDT
From: RSN@a.coe.wvu.wvnet.edu
Subject: NNC, My vote
To: marks@blake.u.washington.edu
X-Vms-To: IN%"marks@blake.acs.washington.edu"
Status: R

Bob:

BALLOT

| | |
|---|---|
| 1. Awards | yes |
| 2.IOC agreement change | yes |
| 3.NNC bylaw Change | yes |
| 4.1991 NNC budget | yes |
| 5.NNC Forums | yes |
| 6.Standing Committees | yes |

Thanks
Roy Nutter
Representative of IAS

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From bradley@ivy.Princeton.EDU Wed Sep 5 21:42:38 1990
Received: from Princeton.EDU by blake.acs.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA28226; Wed, 5 Sep 90 21:42:34 -0700
Received: from ivy.Princeton.EDU by Princeton.EDU (5.61++/2.57/princeton)
id AA01607; Thu, 6 Sep 90 00:42:23 -0400
Received: by ivy.Princeton.EDU (5.51/1.105)
id AA10594; Thu, 6 Sep 90 00:46:44 EDT
Date: Thu, 6 Sep 90 00:46:44 EDT
From: Bradley Dickinson <bradley@ivy.Princeton.EDU>
Message-Id: <9009060446.AA10594@ivy.Princeton.EDU>
To: marks@blake.acs.washington.edu
Subject: My AdCom votes
Cc: etzanako@elbereth.rutgers.edu
Status: R

My ballot:

1. Awards Yes
2. IOC Agreement Change Yes
3. NNC Bylaw Change Yes
4. 1991 NNC Budget Yes
5. NNC Forums Yes
6. Chairs/Editor Yes (for whole slate)

From newcomb@sparcee.eng.umd.edu Sun Sep 9 12:39:22 1990
Received: from sparcee.eng.umd.edu by blake.acs.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA13027; Sun, 9 Sep 90 12:39:17 -0700
Received: by sparcee.eng.umd.edu (4.1/SMI-4.0)
id AA00901; Sun, 9 Sep 90 15:34:16 EDT
Date: Sun, 9 Sep 90 15:34:16 EDT
From: Robert Newcomb <newcomb@sparcee.eng.umd.edu>
Message-Id: <9009091934.AA00901@sparcee.eng.umd.edu>
To: marks@blake.acs.washington.edu
Subject: votes
Cc: newcomb@sparcee.eng.umd.edu
Status: R

Dear Bob, This is to cast my positive vote for items 1, 2, 3, 5, 6 of your 8-30-90 Ballot. As yet I do not feel comfortable about the budget and consequently am not casting any vote at this time (maybe later if I learn more about what is going on). For example there seems to be a large expense for MAG - it is not clear to me what those items are in the budget. Similarly the negative surpluses for 1991 IEEE forecast are of concern. I believe that some interpretation of the budget by the preparers is in order. Also I would comment that I had not seen the material of Item 1, Awards, prior to your Ballot letter, though I thought I was on a committee to consider the awards.
Although I got the information while in San Diego about the IJCNN-91-Seattle, I do not believe that many others did since I have not received notice by any other means. It would seem appropriate to have it advertised in the Transactions I would think so that a wider audience would be reached.
Here it will be a busy semester which started with a complete change in phones. My new numbers are: office: (301) 405-3662; laboratory: (301) 405-3708; fax: (301) 314-9281; secretary Denise: (301) 405-3678. Some of these numbers work well while some others on campus are still in a mess. Best Regards, Bob 09/09/90 15:40

From @UWAVM.U.WASHINGTON.EDU:RCE1@APLVM.BITNET Tue Sep 18 10:17:52 1990
Received: from uwavm.u.washington.edu by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA29361; Tue, 18 Sep 90 10:17:49 -0700
Message-Id: <9009181717.AA29361@blake.u.washington.edu>
Received: from UWAVM.U.WASHINGTON.EDU by UWAVM.U.WASHINGTON.EDU (IBM VM SMTP R1.2)
Received: from APLVM.JHUAPL.EDU by UWAVM.U.WASHINGTON.EDU (Mailer R2.04) with
BSMTP id 0399; Tue, 18 Sep 90 10:16:43 PDT
Received: by APLVM (Mailer R2.02A) id 1150; Tue, 18 Sep 90 13:10:50 EDT

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# Charter of the IEEE Neural Networks Committee (NNC)

Agreement Among the Participating Societies Regarding IEEE Activities in Neural Networks.

## SCOPE

The IEEE Neural Networks Committee is a committee of the IEEE Technical Activities Board consisting of IEEE Societies whose purpose is to coordinate technical activities in the interdisciplinary area of Neural Networks and provide the focus for cooperative efforts among TAB entities. The following Societies shall jointly sponsor the IEEE Neural Networks Committee, hereafter referred to as the Committee or NNC:

Acoustics, Speech, and Signal Processing Society
Circuits and Systems Society
Communications Society
Computer Society
Control Systems Society
Engineering in Medicine and Biology Society
Industrial Electronics Society
Information Theory Group
Laser and Electro-Optics Society
Systems, Man, and Cybernetics Society

The IEEE Neural Networks Committee shall act to foster activities in the area of Neural Networks by forming technical subcommittees, task forces, interest groups, and sponsoring technical workshops, symposia and international conferences. The NNC shall represent the IEEE Technical Activities Board in matters relating to Neural Networks.

## THE COMMITTEE

The membership of the NNC shall consist of two delegates from each of the sponsoring Societies. These delegates must be appointed by their respective Societies for two-year staggered terms, and may be reappointed. Each sponsoring organization shall have one equal vote on matters before the NNC.

The committee shall elect biennially a Chairman from among its current membership. The Chairman shall serve as focus for all communications and shall direct, on behalf of

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the NNC, the operational matters of the committee. For the duration of the office of Chairman, that individual will not be considered to be a representative of his/her respective Society, therefore able to represent more freely the overall objectives of the NNC. The Chairman's Society will be represented by the other delegate only. On a biennial basis, the NNC shall also elect a Secretary and a Treasurer. In addition to the usual duties regarding minutes, reports, records, etc., the Secretary shall serve as Chairman pro tem in the absence of the Chairman. When the election to office of a Committee member requires an extension of the member's term of appointment by the sponsoring Society, it is expected that such an extension will take place. This extension will be for either one or two years as necessary, to maintain the staggered appointment with the other delegate.

## IMPLEMENTATION

This agreement shall be acted upon by the President of each sponsoring Society on behalf of the respective Administrative Committee or Board of Governors. Should any choose not to participate in this agreement, it is understood that their allocated positions on the NNC AdCom and their participation in sponsoring or funding of its activities shall be voided. The letter will be a binding agreement upon the parties when approved by their respective administrative committees and approved by the appropriate IEEE board(s). The original of this letter and of signed letters of transmittal indicating sponsorship agreement from the respective IEEE Societies will become a part of TAB records.

Once the NNC has been established, other IEEE Societies can petition to become members of the Committee. Such Societies must demonstrate that they have been active in the area of Neural Networks in the last two years. A two thirds majority vote is required by the NNC for admission of new members.

A Society can indicate its intent to withdraw from the NNC at any time. However, the withdrawing Society shall continue to be financially responsible for its share of future NNC activities which have been approved by the NNC prior to the date of withdrawal. If a Society withdraws from the NNC, its share in future NNC activities is divided equally among the remaining members.

## FINANCIAL MATTERS

All member Societies share equally in the financial responsibilities of the NNC. Budgets requiring NNC approval shall be submitted to the sponsoring Societies at least sixty days in advance of the NNC vote, so that the sponsoring Societies can instruct their representatives accordingly. Budgets will be approved by majority vote of the committee.

The NNC shall be authorized to establish a reserve fund from which it can maintain its own operations. The fund shall be used to make cash advances to conferences sponsored by the NNC and to support the operating expenses of the Committee. The level of this reserve shall be 50% of the approved operating budget (including conference commitments) for the last year's operations. All monies above this level will be

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distributed to the sponsoring Societies on an equal basis at the close of the IEEE fiscal year.

AMENDMENTS

Changes in the procedures specified in this letter will be enacted by amendments to be approved by a two thirds majority of the sponsoring Societies.

Date _____ Agreed by

_____
(Name)

_____
(Office)

_____
(Society)

1. The Computer Society has apparently chosen not to participate in the NNC (12/21/88, Robert J. Marks II, NNC Chairman pro tem).

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## FINANCIAL MATTERS

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The NNC shall be authorized to establish a reserve fund from which it can maintain its own operations. The fund shall be used to make cash advances to conferences sponsored by the NNC and to support the operating expenses of the Committee. The level of this reserve shall be 50% of the approved operating budget (including conference commitments) for the last year's operations. All monies above this level will be

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AMENDMENTS

Changes in the procedures specified in this letter will be enacted by amendments to be approved by a two thirds majority of the sponsoring Societies.

Date _____ Agreed by

_____
(Name)

_____
(Office)

_____
(Society)

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The membership of the NNC shall consist of two delegates from each of the sponsoring Societies. These delegates must be appointed by their respective Societies for two-year staggered terms, and may be reappointed. Each sponsoring organization shall have one equal vote on matters before the NNC.

The committee shall elect biennially a Chairman from among its current membership. The Chairman shall serve as focus for all communications and shall direct, on behalf of

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## IMPLEMENTATION

This agreement shall be acted upon by the President of each sponsoring Society on behalf of the respective Administrative Committee or Board of Governors. Should any choose not to participate in this agreement, it is understood that their allocated positions on the NNC AdCom and their participation in sponsoring or funding of its activities shall be voided. The letter will be a binding agreement upon the parties when approved by their respective administrative committees and approved by the appropriate IEEE board(s). The original of this letter and of signed letters of transmittal indicating sponsorship agreement from the respective IEEE Societies will become a part of TAB records.

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03/20/90 12:44 FAX 206 543 3842 U W ELEC ENGR 001

ACTIVITY REPORT

TRANSMISSION OK

| | |
|---|---|
| TRANSACTION # | 3716 |
| CONNECTION TEL | 7p48868p2138252273PP |
| CONNECTION ID | G3 |
| START TIME | 03/20 12:40 |
| USAGE TIME | 03' 38 |
| PAGES | 9 |

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# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Walter Karplus

Name of Firm: _____

Location of Firm: _____

Facsimile Telephone Number: (213) 825-2273

From: V. Higgins Phone: (206) 543-6061

Charge Dept./Acct. 06-1030

THIS TRANSMISSION INCLUDING COVER PAGE CONTAINS 9 PAGES.

DATE: 3-20-90 TIME: 11:30

COMMENTS: _____

_____

_____

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

Rev. 4/19/89

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IEEE

**TECHNICAL ACTIVITIES**
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900

May 8, 1990 (201) 562- 3861

Professor Robert J. Marks
University of Washington
Dept. EE FT-10
Seattle, WA 98195

Dear Professor Marks:

At your request, enclosed is check in the amount of

$76.56 to reimburse you for expenses incurred on behalf

of the IEEE Neural Networks Council.

Sincerely yours

Marilyn Prusan
Finance Administrator
Technical Activities

enc.

CC Patrick Simpson

check mailed 5-16-90

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

February 26, 1990

Marilyn J. Prusan
IEEE Finance Administrator
Technical Activities Dept.
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

Dear Marilyn,

Attached are receipts in the amount of $85.96 covering phone billings made in connection with my duties as NNC President. I request reimbursement from council funds for this amount.

Sincerely,

Robert Marks

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

Enclosure



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ACCOUNT F9262155 INVOICE 87877840 CYCLE 16 FEBRUARY 13, 1990 3 312552

DETAIL OF CARD CALLS

| DATE | TIME | KEY | TO/FROM | | NUMBER | MIN | $ AMOUNT |
|---|---|---|---|---|---|---|---|
| MCI CARD # 2065423950 | | | | | | | |
| 950-1022 | FROM WASHINGTON | DC | | | | | |
| JAN 14 | 12:09A | N | TO RANCHOBNRD | CA | 619-451-1846 | 3 | 1.12 |
| JAN 14 | 12:12A | N | TO HALLS LAKE | WA | 206-776-8995 | 10 | 2.00 |
| JAN 16 | 01:01A | N | TO HALLS LAKE | WA | 206-776-8995 | 25 | 3.87 |
| JAN 16 | 11:52A | D | TO SEATTLE | WA | 206-543-2150 | 1 | .99 |
| JAN 16 | 11:52A | D | TO SEATTLE | WA | 206-543-6990 | 7 | 2.46 |
| JAN 16 | 12:01P | D | TO SEATTLE | WA | 206-545-7537 | 1 | .99 |
| JAN 16 | 12:09P | D | TO LOSANGELES | CA | 213-743-2578 | 3 | 1.48 |
| JAN 16 | 12:33P | D | TO PALO ALTO | CA | 415-723-3304 | 2 | 1.24 |
| JAN 16 | 12:35P | D | TO PALO ALTO | CA | 415-723-5782 | 2 | 1.24 |
| JAN 16 | 12:38P | D | TO SEATTLE | WA | 206-543-6990 | 1 | .99 |
| JAN 16 | 12:39P | D | TO KIRKLAND | WA | 206-869-5353 | 16 | 4.67 |
| JAN 16 | 01:33P | D | TO KIRKLAND | WA | 206-869-5353 | 4 | 1.73 |
| JAN 16 | 01:38P | D | TO SEATTLE | WA | 206-545-1606 | 1 | .99 |
| TOTAL FROM WASHINGTON | | DC | | | 13 | 76 | $23.77 |

*ORIGINATING CITY CANNOT BE IDENTIFIED WHEN USING AN 800 NUMBER OR OPERATOR ASSISTANCE

MCI

ACCOUNT F9262155 INVOICE 87877840 CYCLE 16 FEBRUARY 13, 1990 4 312553

DETAIL OF CARD CALLS

| DATE | TIME | KEY | TO/FROM | | NUMBER | MIN | $ AMOUNT |
|---|---|---|---|---|---|---|---|
| 950-1022 | FROM ATLANTA | GA | | | | | |
| FEB 03 | 11:19P | N | TO HALLS LAKE | WA | 206-776-8995 | 9 | 1.87 |
| FEB 04 | 01:14A | N | TO AUBURN | AL | 205-821-8200 | 2 | .97 |
| FEB 04 | 01:16A | N | TO AUBURN | AL | 205-887-6295 | 1 | .86 |
| FEB 04 | 10:35A | N | TO WHIPPANY | NJ | 201-887-6295 | 1 | .87 |
| FEB 04 | 10:38A | N | TO AUBURN | AL | 205-821-8200 | 1 | .86 |
| FEB 04 | 10:39A | N | TO AUBURN | AL | 205-887-6295 | 1 | .86 |
| FEB 04 | 10:40A | N | TO AUBURN | AL | 205-821-8200 | 1 | .86 |
| FEB 04 | 10:57A | N | TO AUBURN | AL | 205-887-6295 | 1 | .86 |
| FEB 04 | 11:54A | N | TO AUBURN | AL | 205-887-6295 | 1 | .86 |
| FEB 04 | 11:55A | N | TO AUBURN | AL | 205-821-8200 | 4 | 1.20 |
| FEB 06 | 10:13P | E | TO HALLS LAKE | WA | 206-776-8995 | 2 | 1.04 |
| TOTAL FROM ATLANTA | | GA | | | 11 | 24 | $11.11 |
| 950-1022 | FROM MONTGOMERY | AL | | | | | |
| FEB 04 | 03:00P | N | TO HALLS LAKE | WA | 206-776-8995 | 22 | 3.49 |

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MCI

ACCOUNT F9262155 INVOICE 87877840 CYCLE 16 FEBRUARY 13, 1990 5 312554

DETAIL OF CARD CALLS

| DATE | TIME | KEY | TO/FROM | | NUMBER | MIN | $ AMOUNT |
|---|---|---|---|---|---|---|---|
| FEB 06 | 10:50A | D | TO TUCSON | AZ | 602-626-6815 | 1 | .99 |
| FEB 06 | 10:52A | D | TO LOSANGELES | CA | 213-743-6581 | 1 | .99 |
| FEB 06 | 10:53A | D | TO W ANGELES | CA | 213-825-2929 | 3 | 1.48 |
| FEB 06 | 10:56A | D | TO LA PUENTE | CA | 818-330-5415 | 1 | .99 |
| TOTAL FROM MONTGOMERY | | AL | | | 5 | 28 | $7.94 |
| 950-1022 | FROM EVERETT | WA | | | | | |
| JAN 18 | 10:36A | D | TO RANCHOBNRD | CA | 619-451-1846 | 1 | .99 |
| JAN 18 | 10:37A | D | TO LINDAVISTA | CA | 619-573-2417 | 15 | 4.42 |
| JAN 19 | 07:20A | N | TO HYATTSVL | MD | 301-454-6869 | 1 | .87 |
| JAN 21 | 01:13P | N | TO SILVER SPG | MD | 301-622-0177 | 1 | .87 |
| JAN 21 | 01:32P | N | TO HYATTSVL | MD | 301-454-6869 | 25 | 3.87 |
| JAN 22 | 06:22A | N | TO MORGANTOWN | WV | 304-293-6375 | 23 | 3.62 |
| JAN 24 | 06:19P | E | TO LOS ALTOS | CA | 415-941-9089 | 3 | 1.21 |
| JAN 24 | 06:24P | E | TO W ANGELES | CA | 213-472-8632 | 4 | 1.37 |
| JAN 25 | 05:36P | E | TO COLUMBIA | MD | 301-992-4590 | 10 | 2.30 |

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MCI

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ACCOUNT F9262155 INVOICE 87877840 CYCLE 16 FEBRUARY 13, 1990 6 312555

DETAIL OF CARD CALLS

| DATE | TIME | KEY | TO/FROM | | NUMBER | MIN | $ AMOUNT |
|---|---|---|---|---|---|---|---|
| FEB 02 | 08:26A | D | TO WASHINGTON | DC | 202-357-9859 | 2 | 1.23 |
| FEB 08 | 01:45P | D | TO TUCSON | AZ | 602-626-6815 | 11 | 3.44 |
| FEB 08 | 01:58P | D | TO LOSANGELES | CA | 213-743-6581 | 1 | .99 |
| FEB 12 | 03:42P | D | TO LOSANGELES | CA | 213-743-6581 | 1 | .99 |
| TOTAL FROM EVERETT | | | WA | | | 13 | 98 $26.17 |
| 950-1022 FROM BEAVERTON | | | OR | | | | |
| FEB 01 | 06:14P | E | TO HALLS LAKE | WA | 206-776-8995 | 1 | .89 |
| TOTAL FROM BEAVERTON | | | OR | | | 1 | 1 $.89 |
| * 800 AND OPERATOR ASSISTED | | | | | | | |
| FEB 08 | 01:57P | OD | TO IRVINE | CA | 714-856-7093 | 1 | 1.02 |
| TOTAL FOR 800 AND OPERATOR ASSISTED | | | | | | 1 | 1 $1.02 |
| MCI CARD TOTAL | | | 2065423950 | | | 44 | 228 $70.90 |
| TOTAL MCI CARD CALLS | | | | | | 44 | 228 $70.90 |

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MCI

ACCOUNT 6F634257 INVOICE 87905288 CYCLE 13 FEBRUARY 13, 1990 3 301118

DETAIL OF MCI DIAL 1 AND OPERATOR ASSISTED CALLS

| DATE | TIME | KEY | TO/FROM | | NUMBER | MIN | $ AMOUNT |
|---|---|---|---|---|---|---|---|
| CALLS FOR 206-776-8995: | | | | | | | |
| JAN 19 | 05:37P | E | TO CHARLOTSVL | VA | 804-977-5100 | 13 | 2.01 |
| JAN 21 | 05:47P | E | TO MAPLE HTS | OH | 216-663-5610 | 15 | 2.32 |
| FEB 01 | 07:34P | E | TO FARMERSBG | IN | 812-696-2008 | 49 | 7.22 |
| FEB 03 | 08:30P | N | TO ATLANTA | GA | 404-761-6500 | 4 | .49 |
| FEB 06 | 07:54P | E | TO AUBURN | AL | 205-821-8200 | 1 | .14 |
| FEB 06 | 09:46P | E | TO AUBURN | AL | 205-821-8200 | 1 | .14 |
| FEB 10 | 06:46P | N | TO MAPLE HTS | OH | 216-663-5610 | 1 | .12 |
| FEB 11 | 12:44P | N | TO FLOURBLUFF | TX | 512-939-8895 | 21 | 2.62 |
| TOTAL FOR 206-776-8995 | | | | | | 8 | 105 $15.06 |
| DIAL DIRECT CALLS | | | | | | 8 | 105 $15.06 |

MCI

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## COUNCIL ON NEURAL NETWORKS

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**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

February 23, 1990

Dr. Dov Jaron
Biomedical Engineering and Science Institute
Drexel University
Philadelphia, Pennsylvania 19104

Dear Dov:

I noticed at the recent TAB meeting a list mentioning that the final report for the 1987 International Conference on Neural Networks has not yet been received. I have confirmed with Troy Nagle, past Chair of the Neural Networks Committee, that the conference was sponsored by the San Diego Section (95 percent) and Systems, Man and Cybernetics (5 percent). The meeting was held prior to the establishment of the Neural Networks Committee; hence, the Neural Networks Council takes no responsibility in the generation or submission of this report.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

cc: Mel Olken, IEEE
Russ Eberhart, NNC Vice President
James Tien, SM&C Society President
Evangelia Tzanakou, NNC Secretary
Troy Nagle



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## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

February 23, 1990

Dr. Dov Jaron
Biomedical Engineering and Science Institute
Drexel University
Philadelphia, Pennsylvania 19104

Dear Dov:

I noticed at the recent TAB meeting a list mentioning that the final report for the 1987 International Conference on Neural Networks has not yet been received. I have confirmed with Troy Nagle, past Chair of the Neural Networks Committee, that the conference was sponsored by the San Diego Section (95 percent) and Systems, Man and Cybernetics (5 percent). The meeting was held prior to the establishment of the Neural Networks Committee; hence, the Neural Networks Council takes no responsibility in the generation or submission of this report.

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Evangelia Tzanakou, NNC Secretary
Troy Nagle



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marks@blake.acs.washington.edu

2-22-90

Mr. Philip Hollywood
Senior Sales Manager
Omni Shoreham Hotel
2500 Calvert Street, N.W.
Washington, DC 20008-9980

Dear Mr. Hollywood,

The *IEEE Neural Networks Council* (NNC) has entered into a contractual agreement with the INNS to be an equal co-sponsor of all *International Joint Conference on Neural Networks* (IJCNN). We anticipate that the decision to hold a single North American conference every year, instead of two, will swell the attendance to the conference to over 3000. This, we feel, will be beyond the capacity of the Omni Shoreham. The NNC therefore joins with Dr. Widrow in his request to release INNS with from its contract with you. Indeed, the type and scope of meeting for which this contract was crafted is no longer in effect.

IEEE, with over 300,000 members, holds literally hundreds of meetings each year. Although I clearly do not have the authority to specify the locations of these meetings, I have discussed the IJCNN matter with *IEEE Conference Services* and am forwarding a copy of this correspondence to them in order for them to note your hopefully positive response to our request.

Sincerely,

Robert J. Marks II, President
IEEE Neural Networks Council

cc: Laura Jobmann, IEEE Conference Services
Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice President
Bernard Widrow, INNS Chair



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INFORMATION SYSTEMS LABORATORY
Department of Electrical Engineering
STANFORD UNIVERSITY Stanford, CA 94305-4055

BERNARD WIDROW
Professor of Electrical Engineering
(415) 723-4949

February 5, 1990

Mr. Philip Hollywood
Senior Sales Manager
Omni Shoreham Hotel
2500 Calvert Street, N.W.
Washington, DC 20008 9980

Dear Mr. Hollywood:

I must apologize for not getting to you sooner. Our IJCNN conferences are not getting simpler in structure, but more complicated. As you are aware, these meetings were originally done by INNS and IEEE individually. Now they are run jointly. Much of the delay has come from the process of planning with two Societies rather than one. This is the price we pay for running better meetings.

INNS and IEEE have done their first joint IJCNN meeting in June 1989 at the Washington Sheraton, with 2,150 attendees. The second IJCNN took place at the Omni Shoreham in January 1990, with 1,350 attendees. The next IJCNN will take place June 1990 at the San Diego Marriott, with about 2,500 attendees expected. Then, in accord with Board decisions of both Societies, we will switch from a twice per year to a once per year conference schedule. We are planning the next IJCNN conference to take place in July 1991 at the Seattle Convention Center. This will be the only IJCNN conference in the United States for 1991, and we are expecting the number of attendees to be in the range of 3,000 to 3,500.

When INNS signed the agreement with Omni Shoreham, INNS did not anticipate that the conference would attract such large audiences. Conferences sponsored jointly by INNS and IEEE from 1991 and on will most likely have 3,000-3,500 attendees. As you will note in the memo attached, the Omni Shoreham cannot provide adequate facilities for this size conference. In 1992, this conference will need 13-15 tutorial rooms to accommodate 100 people per room; 2-3 rooms accommodating 1400-1800

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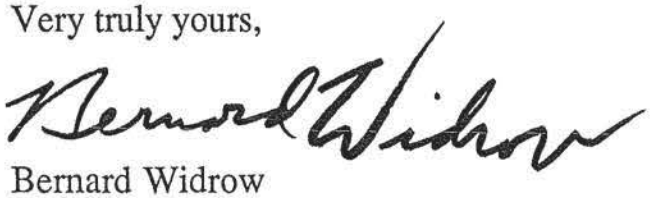
people per room; one room for the plenary session to hold 3,000-3,500 people; and 25,000 square feet of exhibit space.

We are asking for your consideration and cooperation to release INNS from its contractual obligations with the Omni Shoreham.

Very truly yours,



Bernard Widrow

BW:jd

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## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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marks@blake.acs.washington.edu

2-22-90

Pat Simpson, NNC Treasurer
*General Dynamics, Electronics Division*
17436 Ashburton Rd,
San Diego, CA 92128

Dear Pat:

An NNC issue that keeps surfacing is the sharing of Council surpluses with Member Societies. Although the issue was addressed at our last AdCom, I feel it appropriate that the Member Society Presidents be contacted directly in regard to this issue. My understanding is that, unless the NNC AdCom otherwise specifies, that surpluses will be distributed only when the NNC reserve exceeds 50% of the Council's annual operating budget.

Please prepare a simple statement estimating the Council's annual operating budget and our current surplus. I believe that the figures will be such that a simple estimate will clearly justify the nondistribution of surpluses. I will then distribute a copy of your statement to the Member Society Presidents. Russ Eberhart may be a good resource in making these estimates.

Sincerely,

Robert J. Marks II, President
IEEE Neural Networks Council

cc: Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary



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2-22-90

Herbert E. Rauch, Editor
***IEEE Transactions on Neural Networks***
*Lockheed*
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304

Dear Herb:

At the February meeting of the *IEEE Technical Activities Board*, a motion was passed to encourage all Societies and Councils to enclose their periodicals in biodegradable wrappers prior to mailing. The advantages, of course, are the ability to include other material in the mailing at no extra mailing cost and the lessening of the chance of receiving mangled issues. The disadvantage is a higher packaging cost.

Please take any action, if any, that you feel appropriate.

Best regards,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Evangelia Tzanakou, NNC Secretary



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## COUNCIL ON NEURAL NETWORKS

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**President**

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Seattle, WA 98195 USA
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Fax: (206) 543-3840
marks@blake.acs.washington.edu

2-22-90

Russell Eberhart
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, MD 20707
(301) 953-5037

Richard P. Lippmann
MIT Lincoln Laboratory
P.O. Box 73
Lexington, MA 02173
(617) 981-2711

Dear Richard and Russ:

IEEE TAB will be holding a colloquium tour in South America this year much like last year's Asian tour in which you both participated. Because of this participation, I ask that you serve as an *ad hoc* committee, chaired by Russ, to identify two representatives of the NNC to participate in the South American tour. Your charter is:

1. Identify two participants with expertise in neural networks that are willing to participate in the tour. Priority should be given to NNC AdCom members.

2. Inform Dov Jaron, who is coordinating the tour, of your choice.

Although the decision is to be made by May 1, Dov has indicated that an earlier decision would be appreciated. I suggest mid or late March.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Evangelia Tzanakou, NNC Secretary
Dov Jaron



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## COUNCIL ON NEURAL NETWORKS

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marks@blake.acs.washington.edu

2-20-90

Anthony Ephremides
Electrical Engineering Department
University of Maryland
College Park, MD 20742
(301) 454-6871
FAX: (301) 454-1837

Dear Tony,

With the concurrance of Herb Rauch, I write to request that you serve on the Nominating Committee of the IEEE Neural Networks Council for 1990. The other members are

Herbert E. Rauch, Chair
Lockheed
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-2704

Anthony N. Michel
Dean, College of Engineering
Dept. of Electrical Engineering
University of Notre Dame
Notre Dame, IN 46556
(219) 239-5534

The charter of your committee is to be place in nomination one or more names for the four officers of the Council: President, Vice-President, Secretary and Treasurer. The offices are for the calander year 1991. The elections will take place at the NNC AdCom at the summer IJCNN.

Best regards,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Evangelia Tzanakou, NNC Secretary
Herb Rauch, Nominating Committee Chair



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2-20-90

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Dept. of Electrical Engineering
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Anthony Ephremides
Electrical Engineering Department
University of Maryland
College Park, MD 20742
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The charter of your committee is to be place in nomination one or more names for the four officers of the Council: President, Vice-President, Secretary and Treasurer. The offices are for the calander year 1991. The elections will take place at the NNC AdCom at the summer IJCNN.

Best regards,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Evangelia Tzanakou, NNC Secretary
Herb Rauch, Nominating Committee Chair



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## COUNCIL ON NEURAL NETWORKS

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Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

February 16, 1990

Dr. Anthony Ephremides
Electrical Engineering Dept.
University of Maryland
College Park, Maryland 20742

Dear Tony,

Here is my ranking of the nominees:

5. Aldana
6. Davisson
1. Poor
4. Tomkins
2. Shaw
3. Ephrath

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh



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NEURAL NETWORKS

Robert J. Marks II, President
*IEEE Council on Neural Networks*
UNIVERSITY OF WASHINGTON
INTERACTIVE SYSTEMS DESIGN LABORATORY
DEPT. OF ELECTRICAL ENGINEERING, FT-10
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

February 9. 1990

Wesley E. Snyder
Electrical and Computer Eng.
North Carolina State University
Box 7911
Raleigh, North Carolina 27695

Dear Wes,

Per your request, I am approving use of Council funds for reimbursement on your trip to San Diego. I understand you will be driving your own vehicle to the conference.

Reimbursement is to be made in accordance with IEEE policy. Please note transportation regulations on the reverse of the IEEE travel voucher enclosed.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

Enclosure



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Robert J. Marks II, President
*IEEE Neural Networks Council*
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DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

01-17-90

Wesley E. Snyder
Elec. and Computer Engineering
North Carolina State University
Box 7911
Raleigh, NC 27695
(919) 737-2336
(919) 851-1433(H)
FAX: 919-737-7382
wes@ecelet.ncsu.edu

Dear Wes,

The AdCom has authorized me to approve use of Council funds for reimbursement to AdCom members for travel to AdCom meetings. I hereby authorize reimbursement to you for your travel to our AdCom meeting in Denver in November, 1989.

Reimbursement is to be made in accordance to IEEE policy. The enclosed form is to be submitted with this letter to

Marilyn J. Prusan
Finance Administrator
Technical Activities Department
IEEE
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3861
FAX: (201) 562-1571

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: PAT SIMPSON, NNC TREASURER


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# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Ms Nina Sheller

Name of Firm: NTC

Location of Firm: France

Facsimile Telephone Number: 33 1 45 25 24 22

From: Prof. Bob Marks Phone: (206) 543-6990

Charge Dept./Acct. 06-1030

THIS TRANSMISSION INCLUDING COVER PAGE CONTAINS 2 PAGES.

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COMMENTS:

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

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***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Laura Johnson

Name of Firm: IEEE

Location of Firm: New Jersey

Facsimile Telephone Number: (201) 981-1686

From: Prof. Bob Marks Phone: (206) 543-6990

Charge Dept./Acct. 06-1030

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Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

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Robert J. Marks II, President
*IEEE Council on Neural Networks*
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DEPT. OF ELECTRICAL ENGINEERING, FT-10
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

February 5, 1990

Ms. Nina Thellier
Conseil
19, rue de la Tour
75116 Paris
France

Dear Nina,

The IEEE logo can be used on the conference literature if the layout is approved by Laura Jobmann at IEEE.

Sincerely,

Robert J. Marks, President
IEEE Council on Neural Networks

cc: Laura Jobmann



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IEEE Council on Neural Networks

cc: Laura Jobmann



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# NTC

CONSEIL EN RELATIONS PUBLIQUES

**A / TO:** Mr Robert MARKS

**FAX:** 19 1 206 543 38 42

**SOCIETE / COMPANY:**

**DE / FROM:** Nina THELLIER

**OBJET / SUBJECT:** INNC 90 PARIS

**DATE:** January 30, 1990

**Nombre de pages, y compris page de garde:**

**Total number of pages, including covering letter:** 3

**NOTRE NUMERO DE FAX / OUR FAX NUMBER:** (33.1) 45.25.24.22.

Following the IEEE endorsement of INNC-90-PARIS which we greatly appreciate and Robert Marks request we are submitting the text of our brochure, we would be happy to receive your remarks with 48 hours.

The rest of the leaflet concerns the schedule, chairs and cost.

Can we use your logo on the cover ?

Thank you,

Nina THELLIER

**IMPORTANT**

**Si vous ne recevez pas toutes les pages, veuillez nous appeler au:**

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# INNC-90- PARIS

cover page

INNC-90-PARIS
INTERNATIONAL NEURAL NETWORK CONFERENCE
July 9-13, 1990
PALAIS DES CONGRES, PARIS, FRANCE.

Under the patronage of the Commission of of the European Communities

- the International Neural Network Society (INNS),
- IEEE Neural Networks Council

Cooperating societies

page 2 of the leaflet

THOMSON Research major sponsor of the Conference

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(without the logos)

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INNC_90_- Paris

will be the first major European Neural Network conference sponsored by the European Community and endorsed by the INNS (Internation Neural Network Society) and the IEEE Neural Networks Council, organizers of the bi-annual conference IJCNN in the U.S.

INNC-90 -Paris has received over 400 papers concerning the latest research results, applications and products and will be by far the largest Neural Network conference ever held in Europe. 1500 participants from the US, Asia and Europe are expected.

INNC-90-Paris will be the occasion to meet with the most eminent scientists and industrialists in the field to exchange information on the state of the art and take stock of new applications. All of the chairs have confirmed their intention to be present.

INNC-90-Paris will have an important trade show with over 50 exhibitors to display the latest innovations on neural networks. (Contact NTC or TomSchwartz in the US (fax 415-968-0834). A vendor session and a business session to help find partners and investors is planned.

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Robert J. Marks II, President
*IEEE Council on Neural Networks*
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SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

February 5, 1990

Professor Bernard Widrow
INNS IOC Chair
Dept. of Electrical Engineering
Stanford University
Stanford, California 94305

Dr. Roy S. Nutter, Jr.
NNC Meetings Chair
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, West Virginia 26506

Dear Bernie & Roy,

The attached letter from Bob Newcomb is for your information.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

Enclosure

cc: Pat Simpson, NNC Treasurer
Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary


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Microsystems Laboratory
Electrical Engineering Department
University of Maryland
College Park, Maryland 20742
Phone: (301) 454-6869
email: newcomb@bagend.eng.umd.edu
fax: (301) 454-1837

January 29, 1990

Professor Robert J. Marks II, President
IEEE Neural Networks Council
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Bob:

In view of the NNC motion to the effect that I should appoint the General Chair for the Singapore, 1991, IJCNN, this is to record that I have delegated that authority back to you. I believe that the problem, which concerned me and others, of having the meeting without a General Chair has been reasonably resolved and that the authority to appoint the Chair should properly rest in the hands of the NNC President as per the Agreement recently drawn up.

Along these lines I would like to emphasize my feeling that there should be one and only one General Chair for any IJCNN so that person can proceed without split authority. Indeed, in my opinion, the problem of split authority has been a cause for concern of past IJCNN's. Nevertheless, the idea of a Liason with the IEEE, IOC, etc., is a good one which I think should be pursued further.

I am still hearing many complaints about the IJCNN's, some new ones of which, for the record, are as follows.

a). Lecture rooms are too small for the number of attendees and the speakers barely intelligible to the audience. Attendees who pay a large registration fee are really concerned about getting their money's worth which is hard for them to justify when they can not hear the speaker or see the transparency projections.

b). Interested parties have considerable difficulty obtaining information about the meetings. For example one person mentioned that no flyer announcing the meeting had been received in spite of attendance at previous IJCNN's and no announcement could be found in recent IEEE "Circuits and Devices Magazine" nor the IEEE "Control Systems Magazine." Apparently no flyer could be located at the recent IJCNN about deadlines, etc., for the next IJCNN.

c) Students inform me that in the past if they were presenting a paper they had to pay the full admission fee. I would suggest that if a person is a registered BS, MS, or PhD student and presenting a paper, they should get a registration remission.

Best Regards,

Robert W. Newcomb
Professor

RN/lc

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NEURAL NETWORKS

Robert J. Marks II, President
*IEEE Council on Neural Networks*
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SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

February 2, 1990

Marilyn J. Prusan
Finance Administrator for IEEE
Technical Activities Dept.
445 Hoes Lane
P.O. Box 1331
Piscataway, New Jersey 08855-1331

Dear Marilyn,

Please reimburse Herb Rauch $189.95 for expenses incurred through his position as Transactions Editor. Dr. Rauch has a $10,000 per year discretionary fund for this purpose. His letter and original receipts are enclosed.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

Enclosure

cc: Pat Simpson
Herb Rauch


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NEURAL NETWORKS

Herbert E. Rauch, Editor
IEEE TRANSACTIONS ON
NEURAL NETWORKS
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA
(415) 424-2704

January 29, 1990

BILL TO IEEE from Herbert E. Rauch $189.95

Receipts Enclosed

| | | |
|---|---|---|
| (1) | FED. EXPRESS | $22.50 |
| (2) | FED. EXPRESS | $ 16.50 |
| (3) | MANILA ENVELOPES | 9.95 |
| (4) | NEURAL COMPUTATION | 50.00 |
| (5) | NEURAL NETWORK REVIEW | 36.00 |
| (6) | INNS JOURNAL | 55.00 |
| | TOTAL | $ 189.95 |



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Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. ® Zip Codes.): 2500 CALVERT ST. NW
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H. E. RAUCH
MARJORIE ANN RAUCH
401 DRACENA LANE PH. 415-948-4977
LOS ALTOS, CA 94022

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Lockheed Missiles & Space Company, Inc.

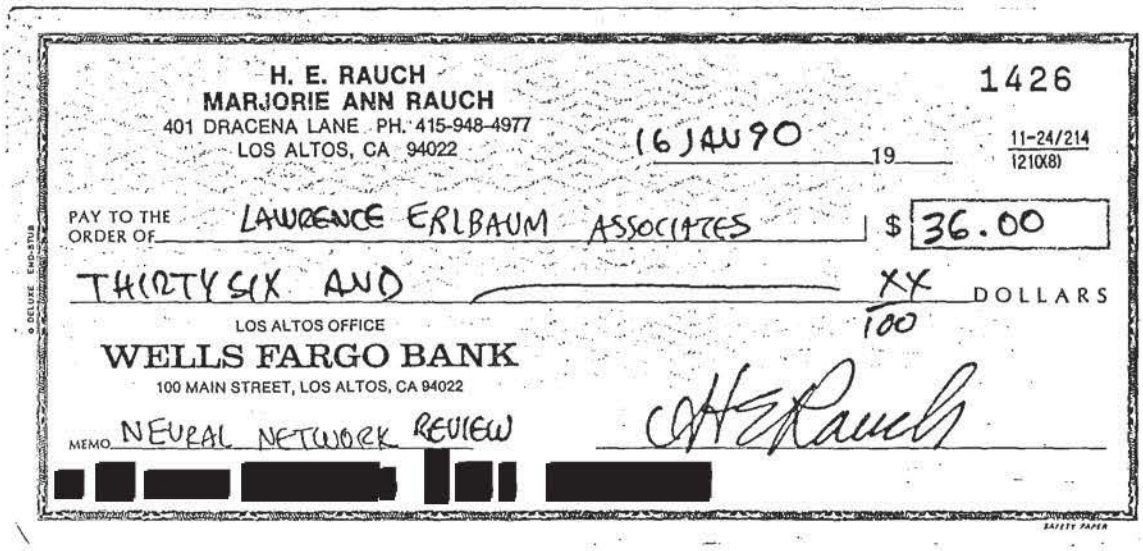
Research and Development
3251 Hanover Street, Palo Alto, California 94304

Lawrence Erlbaum Associates

January 16, 1990

Enclosed is a check for $36 for a one year subscription to Neural Network Review for the name and address below. Thanks foryour help.

HERBERT E. RAUCH
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA



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LOS ALTOS, CA 94022

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PAY TO THE ORDER OF LAWRENCE ERLBAUM ASSOCIATES $ 36.00

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WELLS FARGO BANK
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MEMO NEURAL NETWORK REVIEW

H E Rauch

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# INTERNATIONAL NEURAL NETWORK SOCIETY

## APPLICATION FORM

The International Neural Network Society (INNS) is an association of scientists, engineers, students, and others seeking to learn about and advance our understanding of the modelling of behavioral and brain processes, and the application of neural modelling concepts to technological problems. INNS membership includes a subscription to Neural Networks, the official journal of the Society.

Membership Fees for January to December 1990 include a 1-year subscription to the bimonthly journal Neural Networks

☒ Regular ($55 US) ☐ Full-time Student ($40 US) ☐ New Member ☐ Renewal

Check or money order payable to INNS enclosed ☒ or charge my ☐ VISA or ☐ MasterCard

# _____ Expiration Date _____

Last Name RAUCH, First Name HERBERT E, Title _____

Department _____ Institution _____

Employment: ( ) University ( ) Government (X) Industry ( ) Other _____

Mailing Address
Line 1 _____
Line 2 HERBERT E. RAUCH
Line 3 Lockheed 92-20/254 E
Line 4 3251 Hanover Street
Palo Alto, CA 94304 USA

Telep _____ FAX Number _____

STUDI student

status. _____

Chec

H. E. RAUCH
MARJORIE ANN RAUCH
401 DRACENA LANE PH. 415-948-4977
LOS ALTOS, CA 94022

1450

25JAN 90 19__ 11-24/214 1210(8)

PAY TO THE ORDER OF INTERNATIONAL NEURAL NETWORK SOCIETY $ 55.00

FIFTY-FIVE AND XX/100 DOLLARS

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H E Rauch

One of the INNS sources of income is to rent its mailing list. If you do not wish your name used, check below.

☒ I DO NOT authorize INNS to use my name/address for commerical mailings.

Signature Robert E Rauch Date 25JAN90

Mail application to:

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PO Box 491166
Ft. Washington MD 20749
USA

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NEURAL NETWORKS

Robert J. Marks II, President
*IEEE Council on Neural Networks*
UNIVERSITY OF WASHINGTON
INTERACTIVE SYSTEMS DESIGN LABORATORY
DEPT. OF ELECTRICAL ENGINEERING, FT-10
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

January 29, 1990

Professor Y.H. Pao
Case Western University
2040 Adelbert Road
Cleveland, OH 44106

Dear Professor Pao:

I regret to inform you that the Meetings Committee of the IEEE Council on Neural Networks (NNC) chose not to recommend involvement of the NNC with the Yugoslavia Workshop. The decision did not consider the quality of the workshop, which I consider high, but was rather based on the current certainty of involvement of the NNC in workshops.

Sincerely,

Robert J. Marks II, President
IEE Council on Neural Networks

RJM:vbh

bcc: Bob Newcomb, Roy Nutter, Russ Eberhart



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## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

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Attention: Dr Bernard Widrow

Name of Firm: Stanford

Location of Firm: CA

Facsimile Telephone Number: (415) 723-8473

From: Marks Phone: 543-6990

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NEURAL NETWORKS

1-24-90

Robert J. Marks II, President
*IEEE Council on Neural Networks*
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INTERACTIVE SYSTEMS DESIGN LABORATORY
DEPT. OF ELECTRICAL ENGINEERING, FT-10
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Laura Jobmann
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
201-562-3873
FAX: 201-562-1571

Bernie: Note

Dear Laura:

The attached is self explanatory. The NNC is obliged to take point on the 1992 Conference at the Omni. I hope there is a way that no further conferences can be held at the Omni. You indicated in a previous conversation that this may not be a problem. I hope it isn't.

I am sending a copy of this cover to Bernie Widrow and ask that he FAX to you the original agreement signed by Carpenter. This, it is my understanding, is the document that is the obstacle.

There is reference to a contract. It reads much the way that the previous Omni contract did.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Dr. Bernard Widrow,
FAX (415) 723-8473

THERE ARE FOUR LETTERS IN THIS FAX TRANSMISSION



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Attention: Laura Jobmann

Name of Firm: IEEE

Location of Firm: NJ

Facsimile Telephone Number: (201) 562-1571

From: Marks Phone: 543-6990

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NEURAL NETWORKS

1-24-90

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*IEEE Council on Neural Networks*
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DEPT. OF ELECTRICAL ENGINEERING, FT-10
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Laura Jobmann
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
201-562-3873
FAX: 201-562-1571

Dear Laura:

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Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Dr. Bernard Widrow,
FAX (415) 723-8473

THERE ARE FOUR LETTERS IN THIS FAX TRANSMISSION



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NEURAL NETWORKS

1-21-90

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*IEEE Neural Networks Council*
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DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Dr. Bernard Widrow, President
*International Neural Network Society*
Department of Electrical Engineering
Durand 139, Stanford University
Stanford, CA 94305-4055
FAX (415) 723-8473

Dear Bernie:

Per our discussion at the D.C. IJCNN, I request that you immediately FAX a copy of the ongoing Omni contract to me and Laura Jobmann at IEEE (FAX number below). I feel that we must investigate a way that the Omni Shoreham *not* host the 1992 IJCNN. Maureen Caudill, who coordinated the conference, heartily concurs.

Although I am not a lawyer, it seems to me that one or more of the following facts can be used to meet this goal:

- The service of the Shoreham at the January 1990 meeting was nothing short of *terrible*. There will be no problem substantiating this if need be. Mareen would be the resource person here. I have a few bad service stories myself to share.
- The 1992 IJCNN will be the only IJCNN held in North America. In 1990, there will be two. The January 1990 conference, I understand, drew about 1300 registrants. The 1992 summer conference, I suspect, will draw close to 2500. The Omni, I believe, is much to small to hold a convention of this magnitude.
- The 1992 IJCNN is two and a half years from now.

Since the 1992 IJCNN will be hosted by the IEEE Neural Network Council as lead society, I would hope that we could hold the conference in a superior facility. I request we investigate all avenues of escape prior to signing with the Omni.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Laura Jobmann, IEEE Conference Services,FAX (201) 981-0027
Maureen Caudill, FAX: (619) 487-6924
Robert W. Newcomb, IOC

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INFORMATION SYSTEMS LABORATORY
Department of Electrical Engineering
STANFORD UNIVERSITY Stanford, CA 94305-4055

BERNARD WIDROW
Professor of Electrical Engineering
(415) 723-4949

January 22, 1990

Mr. Robert Tufts
Jackson, Tufts, Cole and Black
650 California Street, 31st Floor
San Francisco, CA 94108

Dear Bob:

We have a problem with the Omni Shoreham Hotel, where we just had our big meeting. More than a year ago, Gail Carpenter signed (without Board approval) two contracts with this hotel to do two meetings beyond the one just held. The hotel sales office did not want to let us off the hook on these, citing severe financial penalties if we cancel. I negotiated with the hotel to do only one more meeting there, in 1992 or 1993, if they would cancel the two contracts signed by Gail. I now have a contract from the Omni Shoreham to do a meeting in 1992, and I am enclosing a copy. I have not yet signed this contract. It provides that signing it will relieve INNS of all responsibility for the other contracts signed by Gail. (Refer to its next to the last paragraph.)

Recently we had a change in schedule since we will be running only one meeting per year in the U.S. with IEEE instead of two per year. The way this works out, the IEEE will be the lead society for 1992; and they agreed to do this at the Omni Shoreham and pick up our contract. However, the experience that we have had with Omni Shoreham indicates that this hotel will be an inadequate facility for such a meeting. IEEE feels that they have made a commitment to INNS to do the meeting at the Omni Shoreham, and they feel responsible for getting us out of the Omni Shoreham contract in order to set up with a proper facility in the Washington, DC, area.

One basis for getting out of a hotel contract is demonstration that their services or facilities are inadequate, too small, etc. Furthermore, we should be able to get out of this on the grounds that the proposed meeting

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is more than a year away. The Shoreham contracts do not provide this, although most hotel contracts, I believe, do not invoke penalties if the meeting is more than a year away. We may have legal problems. IEEE has lawyers to handle their contract arrangements. Our IEEE colleagues (not lawyers) feel that we could get out of the Omni Shoreham contract, but it is INNS's signature that the hotel is holding on two contracts that they may try to enforce.

I am sending copies of the b1992 Omni Shoreham contract to Laura Jobman at IEEE Conference Services and to Professor Bob Marks, my IEEE counterpart. At some point soon, a phone call between you and an IEEE attorney might be appropriate. I am enclosing a letter just received from Bob Marks.

I will call you.

Very truly yours,

Bernie

Bernard Widrow

BW:jd

Enclosure

cc: Laura Jobman - IEEE Conference Services
Professor Bob Marks

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Very truly yours,

Bernie

Bernard Widrow

BW:jd

Enclosure

cc: Laura Jobman - IEEE Conference Services
Professor Bob Marks

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# UNIVERSITY OF WASHINGTON

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Seattle, Washington 98195

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The following pages are for:

Attention: Eve Gordon

Name of Firm: IEEE

Location of Firm: NJ

Facsimile Telephone Number: (201) 562-1571

From: Marks Phone: 543-6990 48868

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# TECHNICAL ACTIVITIES BOARD - HOTEL RESERVATION FORM

**Adam's Mark Hotel-Charlotte**
**555 South McDowell Street**
**Charlotte, North Carolina 28204**
**(704) 372-4100**
**(800) 231-5858**

**RETURN TO:** Ms. Eve Gordon
IEEE Technical Activities
445 Hoes Lane, P. O. Box 1331
Piscataway, New Jersey 08855-1331
Phone: (201) 562-3920
Fax: (201) 562-1571

**RETURN BY NO LATER THAN JANUARY 17, 1990**

____ I am unable to attend the TAB meetings in Charlotte.

X As indicated by my hotel reservation information below and the completed form on the reverse side, **I do plan to attend the TAB meetings which I have indicated.**

____ I have listed my arrival and departure dates below, but I do not require a hotel reservation.

X Please make the following reservation for me:

Arrival Date 2/17/90 Time ?

Departure Date 2/20/90 Time ?

____ Single ($75/night) ____ Double ($75/night)

SIGNATURE Robert J. Marks II

NAME Robert J. Marks II

SPOUSE'S NAME —

TAB POSITION President, Neural Network Council

DATE 1/20/90

**PLEASE BE SURE TO COMPLETE THE REVERSE SIDE.**

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## TECHNICAL ACTIVITIES BOARD

## MEETINGS/FUNCTIONS ATTENDANCE FORM

Please indicate your attendance at each of the following functions:

**SUNDAY, FEBRUARY 18**

| | | |
|---|---|---|
| TAB Publications Workshop<br>*8:00 a.m. - 10:00 a.m. | X | I will attend<br>I will not attend |
| TAB Periodicals Council Meeting<br>10:00 a.m. - 12:00 p.m. | X | I will attend<br>I will not attend |
| TAB Luncheon<br>12:00 p.m. - 1:00 p.m. | X | I will attend<br>I will not attend |
| TAB Contracting Seminar<br>1:00 p.m. - 5:00 p.m. | ? | I will attend<br>I will not attend |
| TAB Reception and Dinner<br>6:00 p.m. - 8:00 p.m. | X | I will attend<br>I will not attend<br>My spouse will accompany me |
| Conf. Management Software Demo<br>8:00 p.m. - 10:00 p.m. | ? | I will attend<br>I will not attend |

**MONDAY, FEBRUARY 20**

| | | |
|---|---|---|
| TAB Luncheon<br>12:00 p.m. - 1:00 p.m. | X | I will attend<br>I will not attend |
| TAB Caucus<br>1:00 p.m. - 5:00 p.m. | X | I will attend<br>I will not attend |
| TAB/RAB Reception and Dinner<br>6:00 p.m. - 8:00 p.m. | X | I will attend<br>I will not attend<br>My spouse will accompany me |
| S/C Presidents' Forum<br>8:00 p.m. - 10:00 p.m. | X | I will attend<br>I will not attend |
| Division Directors' Forum<br>8:00 p.m. - 10:00 p.m. | | I will attend<br>X I will not attend |

**TUESDAY, FEBRUARY 21**

| | | |
|---|---|---|
| Division Breakfast Meetings<br>7:30 a.m. - 10:00 a.m. | | I will attend<br>I will not attend |
| TAB Meeting<br>*10:00 a.m. - 1:30 p.m. | | I will attend<br>I will not attend |
| TAB Luncheon<br>1:30 p.m. - 2:30 p.m. | | I will attend<br>I will not attend |
| TAB Admin. Council Meeting<br>2:30 p.m. - 4:30 p.m. | | I will attend<br>I will not attend |

**NOTE:** Please check all the above functions, in order that appropriate arrangements may be made. If you subsequently wish to make a change, please contact Eve Gordon (Phone: 201-562-3920; Fax: 201-562-1571).

*Continental breakfast will be available one-half hour prior to the start of the meeting.

**PLEASE BE SURE TO COMPLETE THE REVERSE SIDE.**

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IEEE

NEURAL NETWORKS

1-22-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

NNC Executive Committee:

**Vice President**

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(301) 953-5037
rce1%aplvm.bitnet@uwavm.acs.
washington.edu

**Secretary**
Evangelia Tzanakou
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Rutgers University
P.O. Box 909
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(201) 932-2037
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FAX:(201)932-5313

**Treasurer**
Pat Simpson
*General Dynamics, Electronics Division*
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**Editor, IEEE Transactions on Neural Networks**
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*Lockheed*
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-3115

FYI, I just received the following TAB meeting information. I will be attending.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*


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TECHNICAL ACTIVITIES
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. TELEX 833-233

OFFICE OF THE STAFF DIRECTOR

(201) 562-3900

January 10, 1990

TO: IEEE Technical Activities Board

FROM: Irving Engelson, TAB Secretary

SUBJECT: **Notice of TAB Meetings - February, 1990**

On behalf of Prof. H. Troy Nagle, 1990 Vice President - Technical Activities, I am pleased to invite you to the first 1990 Technical Activities Board meetings. The meetings will be held February 18-20, 1990 at the Adam's Mark Hotel, Charlotte, North Carolina. We have also scheduled the following special workshops/seminars on Sunday, February 18: a TAB Publication Workshop for Society Presidents and Editors; a TAB Contracting Seminar for Society Presidents who contract for services outside the IEEE; and a Demonstration of Conference Management Software.

Please use the enclosed form to indicate all activities in which you plan to participate, so appropriate arrangements can be made, and **return it to us as soon as possible, but no later than January 22, 1990.**

In the event you are unable to attend, we encourage you to designate an alternate and inform Vice President Nagle, in writing, with a copy to us, prior to the meeting. **NOTE: S/C Officers have not received copies of this meeting notice, so if you want one of your colleagues to attend as your designated representative, please advise us as soon as possible, so we may send him/her a copy of the meeting notice and related materials.**

**Agenda Items**

If you have any suggested agenda items for the TAB and/or TAB Administration Council meetings, please send them to Prof. Nagle with a copy to us as soon as possible, and preferably in the format suggested in the attached "Guidelines for Agenda Item Submission." **The deadline for submission of all agenda items and supporting documentation is January 22, 1990.**

**Society/Council Presidents' Forum**

A Society/Council Presidents' Forum will be held on Monday, February 19 from 8:00 p.m. to 10:00 p.m.

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**Transportation to the Hotel**

The Adam's Mark provides a courtesy shuttle service. To take advantage of this service, use the courtesty phone in the baggage claim area to call the hotel and proceed outside to the hotel shuttle pick up area. The shuttle runs every half hour free of charge. If you want to take a taxi, the fare will run about $15.

**Motion/Action Form**

On occasion, members of TAB plan to present action items and/or specific motions which have been finalized in advance of the meeting. To facilitate this procedure, the enclosed Motion/Action form is being used. Copies will also be available on the day of the meeting. We ask that, when you make a Motion during the meeting, you also submit a written copy to a staff member, in order to ensure accurate reporting in the minutes.

We hope to hear from you soon and look forward to seeing you in Charlotte.

Enclosures:

- Guidelines for Agenda Item Submission
- TAB Meeting Schedule
- Response Form
- Motion/Action Form

cc: IEEE Executive Committee

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**TAB MEETINGS SCHEDULE**
**February 18 - 21, 1990**

**Adam's Mark Hotel-Charlotte**
**555 South McDowell Street**
**Charlotte, North Carolina 28204**
**(704) 372-4100**
**(800) 231-5858**

| Meeting/Function | Time | | |
|---|---|---|---|
| Sunday, February 18 | | | |
| TAB Publications Workshop | * 8:00 a.m. | - | 10:00 a.m |
| TAB Periodicals Council Meeting | 10:00 a.m. | - | 12:00 p.m |
| TAB Luncheon | 12:00 p.m. | - | 1:00 p.m |
| TAB Contracting Seminar | 1:00 p.m. | - | 5:00 p.m |
| Workshop** | 1:00 p.m. | - | 5:00 p.m |
| TAB Reception and Dinner | 6:00 p.m. | - | 8:00 p.m |
| Conference Management Software Demonstration | 8:00 p.m. | - | 10:00 p.m |
| Monday, February 19 | | | |
| TAB Committees and Task Forces: | | | |
| TAB Staff Activities Committee | * 7:30 a.m. | - | 10:00 a.m |
| Committee/Workshop A** | * 8:00 a.m. | - | 10:00 a.m |
| Committee/Workshop B** | * 8:00 a.m. | - | 10:00 a.m |
| Committee/Workshop C** | 10:00 a.m. | - | 12:00 p.m |
| Committee/Workshop D** | 10:00 a.m. | - | 12:00 p.m |
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| TAB Luncheon | 12:00 p.m. | - | 1:00 p.m |
| TAB Caucus | 1:00 p.m. | - | 5:00 p.m |
| RAB/TAB Reception and Dinner | 6:00 p.m. | - | 8:00 p.m |
| Division Directors' Forum | 8:00 p.m. | - | 11:00 p.m |
| S/C Presidents' Forum | 8:00 p.m. | - | 11:00 p.m |
| Tuesday, February 20 | | | |
| Division Breakfast Meetings | 8:00 a.m. | - | 10:00 a.m |
| TAB Meeting | * 10:00 a.m. | - | 1:30 p.m |
| TAB Luncheon | 1:30 p.m. | - | 2:30 p.m |
| TAB Administration Council | 2:30 p.m. | - | 4:30 p.m |
| Wednesday, February 21 | | | |
| TAB Committees/Councils Meetings** | * 8:00 a.m. | - | 5:00 p.m |

*Continental breakfast will be available one-half hour prior to the start of the meeting.

**Rooms reserved, activity not yet identified.

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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
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OFFICE OF THE STAFF DIRECTOR (201) 562-3900

January 10, 1990

TO: IEEE Society/Council Presidents

FROM: Irving Engelson, Staff Director

SUBJECT: SOCIETY STAFF ASSOCIATES

As you may know, at its August 1989 meeting the IEEE Board of Directors approved TAB's request for funds to hire three Society Staff Associates in the Technical Activities Department.

The Society Staff Associate positions were created to assist Societies in conducting their activities and to facilitate their interactions with Headquarters and other IEEE entities. The transition of the Technical Activities Department from New York to Piscataway necessitated the hiring of many new staff members to replace those who chose not to make the move. The Associates will help to ease this transition and ensure that services continue to be delivered smoothly and without interuption while the new staff gains experience.

I am pleased to announce that two of these positions have recently been filled by Diane DeMarzo and Marsha Tickman. Many of you already know Diane from her four years as TAB Secretariat Administrator. Marsha also brings four years of IEEE experience to the position, having worked in Field Services with Sections and Chapters and with the Educational Activities Board and its Committees.

Please feel free to continue calling on any of our staff for assistance. However, if you are uncertain as to where to direct a particular request or inquiry, you can make the Society Staff Associates your first point of contact. They will put you in touch with the appropriate staff or assist you directly as needed.

This opportunity is available equally to all Societies from now through 1990. If a continuing need for these services is demonstrated, the positions will become self-supporting through Society budgets in 1991.

Please feel free to contact Diane DeMarzo directly at (201) 562-3854 and Marsha Tickman at (201) 562-3853; FAX (201) 562-1571, or write to them at the above address.

cc: D. DeMarzo
M. Tickman
TAB Administration Council

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OFFICE OF THE STAFF DIRECTOR

(201) 562-3900

January 10, 1990

TO: IEEE Technical Activities Board

FROM: Irving Engelson, TAB Secretary

SUBJECT: **Notice of TAB Meetings - February, 1990**

On behalf of Prof. H. Troy Nagle, 1990 Vice President - Technical Activities, I am pleased to invite you to the first 1990 Technical Activities Board meetings. The meetings will be held February 18-20, 1990 at the Adam's Mark Hotel, Charlotte, North Carolina. We have also scheduled the following special workshops/seminars on Sunday, February 18: a TAB Publication Workshop for Society Presidents and Editors; a TAB Contracting Seminar for Society Presidents who contract for services outside the IEEE; and a Demonstration of Conference Management Software.

Please use the enclosed form to indicate all activities in which you plan to participate, so appropriate arrangements can be made, and **return it to us as soon as possible, but no later than January 22, 1990.**

In the event you are unable to attend, we encourage you to designate an alternate and inform Vice President Nagle, in writing, with a copy to us, prior to the meeting. NOTE: **S/C Officers have not received copies of this meeting notice, so if you want one of your colleagues to attend as your designated representative, please advise us as soon as possible, so we may send him/her a copy of the meeting notice and related materials.**

### Agenda Items

If you have any suggested agenda items for the TAB and/or TAB Administration Council meetings, please send them to Prof. Nagle with a copy to us as soon as possible, and preferably in the format suggested in the attached "Guidelines for Agenda Item Submission." **The deadline for submission of all agenda items and supporting documentation is January 22, 1990.**

### Society/Council Presidents' Forum

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### Guests' Continental Breakfasts

For those of you planning to bring your spouse to Charlotte, please note that spouses of members of all Boards meeting in Charlotte are invited to attend continental breakfasts every morning from Monday, February 19 through Thursday, February 22. Details regarding time and location are forthcoming.

### RAB/TAB Reception and Dinner

A joint reception and dinner will be held with the Regional Activities Board on Monday, February 19, from 6:00 p.m. to 8:00 p.m. Spouses are invited to this meal function. **Please indicate on the response form if your spouse will be attending with you.**

### Hotel Reservations

A block of rooms has been reserved at:

Adam's Mark Hotel-Charlotte
555 South McDowell Street
Charlotte, North Carolina 28204
(704) 372-4100
(800) 231-5858

at the rate of $75 for single or double occupancy. We will make your room reservation in accordance with your specifications, as indicated on your completed **response form, which must be returned by January 22, 1990.** After that date, hotel rooms will be on a space available basis, and prices are subject to change. All reservations are made on a guaranteed arrival basis, so please notify us if you have to cancel or modify your reservation in any way. As usual, hotel reservations for members of the Board of Directors will be arranged by the Corporate Services Department.

### A/V Requirements

An overhead projector will be available for presentations at the TAB and TAB Administration Council meetings and the S/C Presidents' Forum. If you should require any additional equipment, please contact Eve Gordon at (201) 562-3920 before January 22.

### Meeting Schedule

The TAB meeting schedule is enclosed for your information. Please check the bulletin boards in the hotel for any changes in meeting room assignments.

### Air Transportation

As you may know, IEEE has an exclusive agreement with Garber Travel Agency. Services include guaranteed lowest available fares, delivery of tickets anywhere in the U.S., and boarding passes from major carriers. All IEEE staff are currently participating in this service and all IEEE members are urged to do so. It is anticipated that the savings in travel could have a positive impact on IEEE's travel costs. Transportation may be booked through Garber by calling (800) 225-4570 and asking for the "IEEE Special Coordinator." It is necessary to advise the agent that travel is in conjunction with the IEEE Board of Directors series of meetings in Charlotte, North Carolina.

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OFFICE OF THE STAFF DIRECTOR

(201) 562-3900

January 10, 1990

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FROM: Irving Engelson, Staff Director

SUBJECT: SOCIETY STAFF ASSOCIATES

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cc: D. DeMarzo
M. Tickman
TAB Administration Council

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NEURAL NETWORKS

01-18-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Dr. Barbara L. Yoon
DARPA -dso
1400 Wilson Blvd.
6th floor
Arlington VA 22209-2308

Dear Dr. Yoon,

I write to thank you for your expression of willingness to serve on the IOC (*IJCNN Oversight Committee)* for the IEEE Neural Networks Committee. The Committee, however, has been restructured within IEEE as witnessed by our new status as the IEEE Neural Networks *Council*. With this restructuring has evolved a new internal organization. The IOC on which you agreed to serve is currently such that the service of yourself and others is no longer required in the manner which was previously anticipated.

Although your service is no longer required in this regard, I hope that we can call upon your participation in future matters.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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01-18-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
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SEATTLE, WASHINGTON 98195 USA
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marks@blake.acs.washington.edu

Dr. Barbara L. Yoon
DARPA -dso
1400 Wilson Blvd.
6th floor
Arlington VA 22209-2308

① Letterhead
② bc's to
Eberhart
Evangelia
Newlands

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Although your service is no longer requ upon your participation in future matters.

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*IEEE Council on Neural Networks*

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NEURAL NETWORKS

1-22-90

Robert J. Marks II, President
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marks@blake.acs.washington.edu

Roy S. Nutter, Jr.
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

Dear Roy,

I am delighted that you have agreed to serve as the Chair of the Meetings Committee for the IEEE Neural Networks Council. Your appointment will be for the calendar year, 1990.

The responsibilities for the Meetings Committee are outlined in the Council Constitution. In addition, you will serve as the Council's representative and Chairman-elect on the IJCNN Oversight Committee (IOC) and will be responsible for reporting to the Council on the activities of the IOC. The Chairmanship of the IOC, for 1990, will be filled by an INNS member. Our relationship to the INNS is specified by our recently drafted Agreement and bylaws.

The current member of the Meetings Committee are:

Robert W. Newcomb,
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD
FAX (301) 454-1837
301-454-6869
(301) 454-8830 (Lab)

Mel Olken
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3858 (O)
(212) 982-8286 (H)
FAX: (201) 562-1571

Edward C. Posner
Dept. of Electrical Engineering
California Inst. of Technology
1201 California Street
Pasadena, CA 91125
(818) 356-4852
FAX: (818) 568-8670

With your consent, I plan to appoint Dr. Walter Karplus to the committee in July. Walter is currently serving as the Chair of the San Diego IJCNN.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Pat Simpson, NNC Treasurer
Robert W. Newcomb, Outgoing Meetings Committee Chair
Mel Olken, Meetings Committee Member
Ed Posner, Meetings Committee Member
Esmi Bidstrup, IEEE
Bernie Widrow, INNS


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Roy S. Nutter, Jr.
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

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The current member of th[illegible]

Robert W. Newcomb,
Mirosystems Laboratory
Electrical Engineering Dep
University of Maryland
College Park, MD
FAX (301) 454-1837
301-454-6869
(301) 454-8830 (Lab)

Services

855-1331

1

Edward C. Posner
Dept. of Electrical Engineerin[illegible]
California Inst. of Technology
1201 California Street
Pasadena, CA 91125
(818) 356-4852
FAX: (818) 568-8670

With your consent, I plan to appoint Dr. Walter Karplus to the committee in July. Walter is currently serving as the Chair of the San Diego IJCNN.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Pat Simpson, NNC Treasurer
Robert W. Newcomb, Outgoing Meetings Committee Chair
Mel Olken, Meetings Committee Member
Ed Posner, Meetings Committee Member
Esmi Bidstrup, IEEE
Bernie Widrow, INNS

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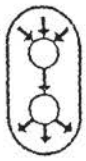
IEEE

NEURAL NETWORKS



1-22-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Roy S. Nutter, Jr.
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

Dear Roy,

Now that the agreement between IEEE and INNS has been crafted, the energy of the Meetings Committee can be focused on other productive matters. I request that you investigate and propose to the Council a procedure for the establishment of an NNC Workshop (or similar name) series of specialized smaller scale forums. I foresee, for example, an IEEE Neural Networks Council Workshop on Application of Neural Networks to Robotics, ... on Application of Learning Theory to Neural Networks, ... on Use of the PC in Neural Computing, etc. Whereas, I believe there are currently too many large generic conferences, the need for more depth in the area of neural networks is vital. A proposal to the Council should include

- The manner by which workshops are decided. I would suggest that sponsorship should come from NNC AdCom members who would like to run their own workshops or that proposals be sponsored by an AdCom member.
- The financial commitment of the NNC to the workshop in terms of advance money and the percentage of sharing of surplus.
- Publication issues. I think that publication of the workshop proceedings could be offered as a series by IEEE.

I have enclosed a conference information packet which contains much useful information on the policies and services of IEEE in regard to conferences. A superb resource at IEEE concerning conference matters is

Laura Jobmann, IEEE Conference Services
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
201-562-3873

Our Council has used her council extensively.

Best personal regards,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Pat Simpson, NNC Treasurer
Robert W. Newcomb, Outgoing Meetings Committee Chair
Mel Olken, Meetings Committee Member
Ed Posner, Meetings Committee Member
Laura Jobmann, IEEE

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# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Ms Nina Thellier

Name of Firm: INNC Paris

Location of Firm: France

Facsimile Telephone Number: 33-1-45256565

From: Marks Phone: (206) 543-6990

Charge Dept./Acct. 06-1030

THIS TRANSMISSION INCLUDING COVER PAGE CONTAINS 2 PAGES.

DATE: 1-22-90 TIME: 11:06

COMMENTS:

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

Rev. 4/19/89

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IEEE

NEURAL NETWORKS

1-17-90

Robert J. Marks II, President
*IEEE Neural Networks Council*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Ms. Nina Thellier, N.T.C.
INNC-90-Paris
19, rue de la Tour
75116 Paris, France
(33-1) 45 25 65 65, FAX: (33-1) 45 25 24 22

Dear Ms. Thellier:

I am delighted to inform you that the AdCom of IEEE Neural Networks Council (NNC) has agreed to cooperate with the International Neural Network Conference (INNC), July 9-13, 1990 in Paris. Russ Eberhart, NNC Vice-President, has physically given an IEEE conference information packet to Dr. Bernard Angeniol at the January 1990 IJCNN in Washington D.C. You will find the information therein useful.

IEEE has specific requirements regarding involvement with conferences. Publicity in regard to the NNC's involvement with the INNC should read *in cooperation with the IEEE Neural Networks Council.*

Also, we are concerned about the involvement of commercial enterprises in the publicity and execution of the conference. IEEE policies, in this regard, must be adhered to. This includes, but is not limited to, the display of no business logos on conference literature. A superb resource at IEEE in such policy matters is

Laura Jobmann, IEEE Conference Services
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331
201-562-3873

I request that all conference material bearing the IEEE logo or name be approved by her office.

The IEEE NNC is delighted to be a cooperating society for the INNC. We wish you the very best in a successful conference.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Laura Jobmann, IEEE
Bernard Widrow, INNS

THERE IS A SINGLE PAGE IN THIS FAX TRANSMISSION


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1-22-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
UNIVERSITY OF WASHINGTON, FT-10
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SEATTLE, WASHINGTON 98195 USA
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marks@blake.acs.washington.edu

Roy S. Nutter, Jr.
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

Dear Roy,

I am delighted that you have agreed to serve as the Chair of the Meetings Committee for the IEEE Neural Networks Council. Your appointment will be for the calendar year, 1990.

The responsibilities for the Meetings Committee are outlined in the Council Constitution. In addition, you will serve as the Council's representative and Chairman-elect on the IJCNN Oversight Committee (IOC) and will be responsible for reporting to the Council on the activities of the IOC. The Chairmanship of the IOC, for 1990, will be filled by an INNS member. Our relationship to the INNS is specified by our recently drafted Agreement and bylaws.

The current member of the Meetings Committee are:

Robert W. Newcomb,
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD
FAX (301) 454-1837
301-454-6869
(301) 454-8830 (Lab)

Mel Olken
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3858 (O)
(212) 982-8286 (H)
FAX: (201) 562-1571

Edward C. Posner
Dept. of Electrical Engineering
California Inst. of Technology
1201 California Street
Pasadena, CA 91125
(818) 356-4852
FAX: (818) 568-8670

With your consent, I plan to appoint Dr. Walter Karplus to the committee in July. Walter is currently serving as the Chair of the San Diego IJCNN.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Pat Simpson, NNC Treasurer
Robert W. Newcomb, Outgoing Meetings Committee Chair
Mel Olken, Meetings Committee Member
Ed Posner, Meetings Committee Member
Esmi Bidstrup, IEEE
Bernie Widrow, INNS

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01-18-90

Robert J. Marks II, President
*IEEE Neural Networks Council* (NNC)
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

Dr. Barbara L. Yoon
DARPA -dso
1400 Wilson Blvd.
6th floor
Arlington VA 22209-2308

Dear Dr. Yoon,

I write to thank you for your expression of willingness to serve on the IOC (*IJCNN Oversight Committee)* for the IEEE Neural Networks Committee. The Committee, however, has been restructured within IEEE as witnessed by our new status as the IEEE Neural Networks *Council.* With this restructuring has evolved a new internal organization. The IOC on which you agreed to serve is currently such that the service of yourself and others is no longer required in the manner which was previously anticipated.

Although your service is no longer required in this regard, I hope that we can call upon your participation in future matters.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

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IEEE

SYSTEMS, MAN, AND CYBERNETICS SOCIETY

PLEASE REPLY TO

Ms Patricia A. Sbarbaro
Jassoy, Graff and Douglas
Certified public Accountants
777 Fay Avenue, Suite 100
La Jolla, California 92037

June 24, 1990

Dear Pat:

Sorry I missed your telephone call on Friday. I return the call but missed you again. After another unsuccessful try, I thought best to drop you this note and enclose some information which may prove useful with your assignment.

On June 1, 1990 I received a FAX from your partner Ray Wood, updating me as to the state of the audit and requesting three items that I would assist you with the audit. As told you over the phone then it appeared to me better if I brought them in person and met with you in San Diego on June 18 and/or June 19.

When I got in San Diego your office advised me that you had to go out of town and that you will be returning on June 20th. As I had other commitments, I could not change my travel plans and had to leave on that day. I regret I did not get to meet with you and to give you the material I had brought with me:

1) A copy of the IJCNN89 Finance-Flow

2) A copy of the IJCNN 1989 Washington Operating Budget

3) A copy of the IJCNN 1989, Washington Account - Cash Dispersement

4)Two notebooks of original invoices paid by the Washington Account

Enclosed please find the first three items. At this time, I am reluctant to separate from the last item. Too, I need help to prepare a Final Financial Report for the IJCNN89, and I lack financial information that at this point only you have. If it is possible for you to visit this area please let me know and I shall make every effort to accommodate your schedule. Otherwise there is a possibility for me to come to San Diego during the third week in July.

Sincerely,

Nicholas DeClaris

Enclosures (3)

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| | 101 | Void | | | 25000.00 | | 25000.00 |
| 1/26 | 102 | Meeting Management | 3 | Ia1,Ia2,Ia3,IIIa1,IIIa2 | | 3650.56 | 21349.44 |
| | 103 | IEEE IJCNN 89 - San Diego | 1a | Ib3 | | 10200.00 | 11149.44 |
| | 104 | Meeting Management | Advance | IIa2 | | 2000.00 | 9149.44 |
| | 105 | Ingrid Kramer | 24a | Xb4 | | 482.00 | 8667.44 |
| | | | | | 16000.00 | | 24667.44 |
| 3/16 | 106 | IEEE | 1 | IIIa1 | | 694.16 | 23973.28 |
| 3/16 | 107 | Modern Printing and Mailing | 2 | Ib2, Ib3,Ib4 | | 1310.27 | 22663.01 |
| 3/16 | 108 | Meeting Management | 5 | IIIa2 | | 765.00 | 21898.01 |
| 3/16 | 109 | Modern Printing and Mailing | 4 | Ib3,IB4 | | 775.74 | 21122.27 |
| 3/16 | 110 | AA for AI | 4 | Ib1 | | 1259.40 | 19862.87 |
| 3/16 | 111 | Designs | 6 | Ic2 | | 1860.46 | 18002.41 |
| 4/7 | 112 | Wes Synder | 25A | Xb4 | | 446.03 | 17556.38 |
| | 113 | Meeting Management | 2 | XIb3 | | 620.00 | 16936.38 |
| | 114 | Modern Printing and Mailing | 10 | Ib2,Ib3,Ib4 | | 7664.68 | 9271.70 |
| | 115 | PDQ Printers | 8,9 | IXa,IIa2,IIa1 | | 434.09 | 8837.61 |
| 4/11 | 116 | Jacob and Assoc | 11 | Ic1 | | 450.50 | 8387.11 |
| 4/11 | 117 | Meeting Management | 16 | IIIa6 | | 980.00 | 7407.11 |
| 4/12 | | | | | 8000.00 | | 15407.11 |
| | 118 | void | | | | | 15407.11 |
| 4/19 | 119 | IEEE Inc | 17 | Ib1 | | 3757.51 | 11649.60 |
| 4/19 | 120 | PDQ Printers | 18 | IIa1 | | 177.83 | 11471.77 |
| 4/19 | 121 | IEEE | 19 | Id | | 600.00 | 10871.77 |
| 4/19 | | | | | 8000.00 | | 18871.77 |
| 4/20 | 122 | N. DeClaris | 25b | Xb10 | | 922.42 | 17949.35 |
| | 123 | void | | | | | 17949.35 |
| | 124 | void | | | | | 17949.35 |
| | 125 | void | | | | | 17949.35 |
| 4/23 | 126 | Meeting Management | 5a | IIa1 | | 193.67 | 17755.68 |
| 5/2 | | | | | 30000.00 | | 47755.68 |
| 5/6 | 127 | IEEE, Fed ID 13-1656633N | 19 | Id | | 375.00 | 47380.68 |
| 5/8 | 128 | IEEE, IJCNN '89 | 15 | Advance &IIIa2 | | 4292.64 | 43088.04 |

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| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| 5/10 | 129 | VOID (IEEE) | 25 | | | 0.00 | 43088.04 |
| 5/10 | 130 | void | | | | | 43088.04 |
| 5/10 | 131 | AAAI | 21 | Id | | 1566.25 | 41521.79 |
| 5/10 | 132 | SOS Printing | 20a | IVb | | 23000.00 | 18521.79 |
| 5/15 | 133 | Void | | | | | 18521.79 |
| 5/15 | 134 | Meeting Management | 26 | Va1,Va3,Ve,Vj,Vk | | 7100.00 | 11421.79 |
| 5/15 | 135 | Carol Bonomo | 12 | Xa | | 400.00 | 11021.79 |
| 5/15 | 136 | PDQ Printers | 27 | IIa1 | | 92.07 | 10929.72 |
| 5/15 | 137 | Void | | | | | 10929.72 |
| 5/15 | 138 | Personal Touch West | 32 | Va2 | | 4100.00 | 6829.72 |
| 5/15 | 276 | Wes Snyder | | Xb4 | | 797.92 | 6031.80 |
| 5/24 | 277 | Laurel Printing | | IIf | | 7.45 | 6024.35 |
| 5/24 | 278 | Postmaster Laurel | | IIf | | 70.50 | 5953.85 |
| 5/19 | | | | | 9000.00 | | 14953.85 |
| 5/24 | 279 | C&P Telephone | | IIf | | 115.62 | 14838.23 |
| 5/30 | 139 | Meeting Management | 30 | Adv, Ve1 | | 6600.00 | 8238.23 |
| | 140 | Karen Haines | 14 | VIIIg | | 1350.00 | 6888.23 |
| | 141 | Void | | | | | 6888.23 |
| 6/6 | 142 | Meeting Management | 31 | IIa5 | | 300.00 | 6588.23 |
| 6/6 | 143 | Designs | 35 | IVa2, VIIIa,Va4 | | 3780.52 | 2807.71 |
| 6/8 | | | | | 9000.00 | | 11807.71 |
| 6/12 | 144 | ICNN '89 | 34 | Vd | | 2000.00 | 9807.71 |
| 6/12 | 145 | Void | | | | | 9807.71 |
| | | | | | 100000.00 | | 109807.71 |
| 6/16 | 146 | C&P Telephone | 36a | IId | | 97.27 | 109710.44 |
| 6/20 | 147 | Modern Printing & Mailing | 20 | Ic3,Ic4 | | 250.72 | 109459.72 |
| 6/16 | 148 | Sheraton Washington Hotel | 35a | Hotel | | 37000.00 | 72459.72 |
| 6/18 | 149 | Meeting Management | 29 | IId | | 4000.00 | 68459.72 |
| 6/19 | 150 | SOS Printing | 37 | V4 | | 7020.00 | 61439.72 |
| 6/19 | 151 | SOS Printing | 38 | VIIIa | | 10325.00 | 51114.72 |
| 6/19 | 152 | SOS Printing | 39 | IVb | | 675.00 | 50439.72 |
| 6/19 | 153 | SOS Printing | 40 | IVb | | 23700.00 | 26739.72 |
| 6/19 | 154 | SOS Printing | 41 | IXa | | 2025.00 | 24714.72 |

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|---|---|---|---|---|---|---|---|
| 6/19 | 155 | SOS Printing | 42 | IVb | | 50.00 | 24664.72 |
| 6/19 | 156 | Personal Touch West | 43 | Va2 | | 4923.06 | 19741.66 |
| 6/21 | 280 | Shumidii Amari | EC2 | XII | | 2471.00 | 17270.66 |
| 6/21 | 281 | T. Eckmiller | EC3 | XII | | 1156.00 | 16114.66 |
| 6/21 | 282 | T. Kohonen | EC1 | XII | | 1140.00 | 14974.66 |
| 6/21 | 283 | K. Fukushima | EC16 | XII | | 1609.47 | 13365.19 |
| 6/22 | 284 | V. Kriosov | EC4 | XII | | 1435.00 | 11930.19 |
| 6/22 | 285 | Meeting Management | 44 | Vc | | 3000.00 | 8930.19 |
| 6/22 | 286 | Allen Stubberud | | Xb3 | | 990.00 | 7940.19 |
| 6/22 | | | | | 20000.00 | | 27940.19 |
| 6/23 | 287 | Sheraton Washington Hotel | | Xb10 | | 1078.46 | 26861.73 |
| 6/23 | | | | | 14410.00 | | 41271.73 |
| 6/26 | | | | | 18236.00 | | 59507.73 |
| 6/20 | 157 | Peter Foldiak | R38 | Refund | | 50.00 | 59457.73 |
| 6/21 | 158 | Geof Yeun | R37 | Refund | | 175.00 | 59282.73 |
| 6/21 | 159 | Ron Sun | R36 | Refund | | 50.00 | 59232.73 |
| 6/21 | 160 | Robert Breyer | R35 | Refund | | 277.00 | 58955.73 |
| 6/22 | 161 | SOS Printing | 44 | Vc | | 1287.00 | 57668.73 |
| 6/30 | 162 | Projection Video Services | 47a | Vb | | 9631.79 | 48036.94 |
| 6/30 | 163 | Projection Video Service | 48A | VIIIb | | 2990.70 | 45046.24 |
| 6/30 | 164 | Projection Video Service | 50A | Vb | | 157.41 | 44888.83 |
| 6/30 | 165 | Projection Video Service | 49A | Vb | | 67.96 | 44820.87 |
| 7/7 | 166 | IEEE | 36 | IIIa1 | | 170.42 | 44650.45 |
| | 167 | Andrews, Bartlett & Assoc Inc | 48 | Vi, IXb | | 7904.73 | 36745.72 |
| 7/3 | | | | | 100000.00 | | 136745.72 |
| 7/18 | 291 | C&P Telephone | | IIf | | 102.28 | 136643.44 |
| 7/21 | | | | | 200000.00 | | 336643.44 |
| 7/14 | 168 | Nabil Farhat | EC5 | XII | | 660.00 | 335983.44 |
| | 169 | Lee A. Riui | R1 | Refund | | 250.00 | 335733.44 |
| | 170 | Carnegie Mellon Univ | R2 | Refund | | 497.00 | 335236.44 |
| | 171 | Roy Williams | R3 | Refund | | 242.00 | 334994.44 |
| | 172 | Raymond Lam | R4 | Refund | | 625.00 | 334369.44 |
| | 173 | Travelers Insurance Co | R5 | Refund | | 572.00 | 333797.44 |

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June 1, 1990

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| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| | 174 | Donald Friensen | R6 | Refund | | 194.00 | 333603.44 |
| | 175 | Void | | | | | 333603.44 |
| | 176 | Jeffery F. Nicoll | R7 | Refund | | 372.00 | 333231.44 |
| | 177 | Void | | | | | 333231.44 |
| 7/26 | | | | | 100000.00 | | 433231.44 |
| 7/28 | 178 | Sheraton Washington Hotel | 47 | Hotel | | 64075.20 | 369156.24 |
| 7/31 | 288 | Wes Synder | | Xb4 | | 325.24 | 368831.00 |
| 7/31 | 289 | Carol Bonomo | EC13 | XII | | 188.00 | 368643.00 |
| 7/31 | 290 | Harold Szu | EC17 | XII | | 465.00 | 368178.00 |
| 8/10 | 179 | IEEE | 51A | Return Adv. | | 16000.00 | 352178.00 |
| 8/10 | 180 | IEEE | 51A | Return Adv. | | 25000.00 | 327178.00 |
| 8/17 | 181 | Sheraton Washington Hotel | 47 | Hotel | | 19513.28 | 307664.72 |
| | 182 | void | | | | | 307664.72 |
| | 183 | Brian Lehr | R11 | Refund | | 500.00 | 307164.72 |
| | 184 | Ken Kleinberg | R12 | Refund | | 162.00 | 307002.72 |
| | 185 | Hsi-Lo Liu | R13 | Refund | | 250.00 | 306752.72 |
| 7/15 | 186 | Joseph Antonik | R14 | Refund | | 194.00 | 306558.72 |
| 7/15 | 187 | A. Stein | R15 | Refund | | 122.00 | 306436.72 |
| 9/12 | 188 | Mitre Corp (Eric Braude) | R29 | Refund | | 250.00 | 306186.72 |
| | 189 | Dale Shultz | R16 | Refund | | 412.00 | 305774.72 |
| | 190 | Loral | R18 | Refund | | 194.00 | 305580.72 |
| | 191 | GMI | R21 | Refund | | 319.00 | 305261.72 |
| | 192 | Geoffrey Hinton | R23 | Refund | | 162.00 | 305099.72 |
| 7/15 | 193 | Soo-Young Lee | R27 | Refund | | 250.00 | 304849.72 |
| 7/28 | 194 | Dr. Halbert White | R | Refund | | 530.00 | 304319.72 |
| 7/28 | 195 | Charles Elbaum | EC7 | XII | | 274.15 | 304045.57 |
| 7/28 | 196 | Gail Carpenter | EC8 | XII | | 1289.50 | 302756.07 |
| 7/28 | 197 | Robert Hecht-Nielsen | EC6 | XII | | 150.00 | 302606.07 |
| | 198 | allon Guez | EC9 | XII | | 502.73 | 302103.34 |
| | 199 | Patricia Smith Churchland | EC10 | XII | | 1040.00 | 301063.34 |
| | 200 | Terry Sejnowski | EC11 | XII | | 1220.00 | 299843.34 |
| | 201 | void | | | | | 299843.34 |
| | 202 | void | | | | | 299843.34 |

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June 1, 1990

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| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| | 203 | Dr. M Kuperstein | EC12 | XII | | 518.00 | 299325.34 |
| 8/8 | 204 | VOID | | | | 0.00 | 299325.34 |
| 8/8 | 205 | Eiichi Sawaki | R33 | Refund | | 56.00 | 299269.34 |
| 8/14 | 206 | Personal Touch West | 49 | VIb | | 684.34 | 298585.00 |
| 9/12 | 207 | Helge Ritter | EC14 | XII | | 435.00 | 298150.00 |
| | 208 | VOID | | | | | 298150.00 |
| | 209 | VOID | | | | | 298150.00 |
| | 210 | VOID | | | | | 298150.00 |
| | 211 | VOID | | | | | 298150.00 |
| 9/12 | 212 | Harry Goldberg | R34 | Refund | | 145.00 | 298005.00 |
| 9/12 | 213 | APL (Paul Bade) | R17 | Refund | | 535.00 | 297470.00 |
| 9/12 | 214 | Hughes Aircraft | R20 | Refund | | 372.00 | 297098.00 |
| 9/12 | 215 | Void | | | | | 297098.00 |
| 9/12 | 216 | CDI Technologies | R25 | Refund | | 372.00 | 296726.00 |
| 9/12 | 217 | CDI Technologies | R26 | Refund | | 410.00 | 296316.00 |
| 9/12 | 218 | William Morgart | R28 | Refund | | 125.00 | 296191.00 |
| 9/12 | 219 | Walter Peterson | R32 | Refund | | 219.00 | 295972.00 |
| 9/12 | 220 | Leon Cooper | T2 | VIIIa | | 5825.00 | 290147.00 |
| 9/12 | 221 | David Casasent | T1 | VIIIa | | 5050.00 | 285097.00 |
| 9/12 | 222 | John Daugman | T3 | VIIIa | | 4550.00 | 280547.00 |
| 9/12 | 223 | Walter Freeman | T4 | VIIIa | | 4200.00 | 276347.00 |
| 9/12 | 224 | Stephen Grossberg | T5 | VIIIa | | 4862.50 | 271484.50 |
| 9/12 | 225 | Morris Hirsch | T6 | VIIIa | | 4600.00 | 266884.50 |
| 9/12 | 226 | John Hopfield | T7 | VIIIa | | 6312.50 | 260572.00 |
| 9/12 | 227 | Lawence Jackel | T8 | VIIIa | | 4950.00 | 255622.00 |
| 9/12 | 228 | Teuvo Kohonen | T9 | VIIIa | | 5312.50 | 250309.50 |
| 9/12 | 229 | Bart Kosko | T10 | VIIIa | | 4425.00 | 245884.50 |
| 9/12 | 230 | Demetri Psaltis | T11 | VIIIa | | 4000.00 | 241884.50 |
| 9/12 | 231 | Peter Wallace | T12 | VIIIa | | 3637.50 | 238247.00 |
| 9/12 | 232 | Bernard Widrow | T13 | VIIIa | | 4512.50 | 233734.50 |
| 9/12 | 233 | Ronald Williams | T14 | VIIIa | | 4262.50 | 229472.00 |
| 9/25 | 292 | C&P Telephone | | IIIf | | 88.62 | 229383.38 |
| 10/5 | 244 | SOS PRINTING | 53 | IVb | | 9856.08 | 219527.30 |

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June 1, 1990

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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| 10/5 | 293 | Hecht-Nielsen | | Xa | | 426.64 | 219100.66 |
| 12/19-1/19 | | Interest | | | 29.80 | | 219130.46 |
| 1/19-2/16 | | Interest | | | 72.50 | | 219202.96 |
| 2/16-3/16 | | Interest | | | 94.60 | | 219297.56 |
| | | Tax | | | | 18.92 | 219278.64 |
| 3/16-4/20 | | Interest | | | 118.37 | | 219397.01 |
| | | Tax | | | | 23.67 | 219373.34 |
| 5/18-6/15 | | Interest | | | 97.84 | | 219471.18 |
| | | Tax | | | | 19.57 | 219451.61 |
| 6/15-7/20 | | Interest | | | 683.27 | | 220134.88 |
| | | Tax | | | | 136.65 | 219998.23 |
| | | Transaction fees | | | | 19.00 | 219979.23 |
| 7/20-8/17 | | Interest | | | 1492.44 | | 221471.67 |
| | | Tax | | | | 298.49 | 221173.18 |
| | | Transaction fees | | | | 10.00 | 221163.18 |
| 8/17-9/21 | | Interest | | | 1677.97 | | 222841.15 |
| | | Tax | | | | 335.59 | 222505.56 |
| 4/20-5/18 | | Interest | | | 163.40 | | 222668.96 |
| | | Tax | | | | 32.68 | 222636.28 |
| | | Transaction fees | | | | 13.74 | 222622.54 |
| | | Debit Memo | | | | 20.00 | 222602.54 |
| 10/6 | 235 | David Sanches | R19 | Refund | | 644.00 | 221958.54 |
| 10/6 | 236 | David Durfee | R22 | Refund | | 20.00 | 221938.54 |
| 10/6 | 237 | Piero Cosi | R30 | Refund | | 152.00 | 221786.54 |
| 10/6 | 238 | Frank Mancini | R31 | Refund | | 412.00 | 221374.54 |
| 10/6 | 239 | Hartmut Wendt | R24 | Refund | | 500.00 | 220874.54 |
| 10/6 | 240 | Edward Rosenfeld | EC15 | XII | | 317.48 | 220557.06 |
| 10/6 | 294 | Jean McCausland | 54 | | | 179.56 | 220377.50 |
| 10/10 | 295 | Sheraton Washington Hotel | 47 | Hotel | | 16051.28 | 204326.22 |
| 10/6 | 296 | Jean McCausland | | III | | 1200.00 | 203126.22 |
| 10/10 | 297 | IEEE, NNC | | | | 78117.57 | 125008.65 |
| 10/10 | 298 | Intrntl Neural Network Society | | | | 97000.00 | 28008.65 |
| 10/10 | 299 | Void | | | | | 28008.65 |

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June 1, 1990

IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| I. Promotion | | | | |
| a. Call for Papers | | | | |
| 1. Mailing List | 229.50 | 14.00 | 215.50 | Invoice #3 |
| 2. Printing | 1,880.70 | 1357.82 | 522.88 | Invoice #3,#25 |
| 3. Postage and mail house | 2,950.00 | 1050.00 | 1900.00 | Invoice #3 |
| b. First Announcement | | | | |
| 1. Mailing Lists | 5,000.00 | 5016.91 | -16.91 | Invoice #4 |
| 2. Printing | 11,000.00 | 7079.00 | 3921.00 | Invoice #4, #2, #10 |
| 3. Postage | 10,200.00 | 19124.11 | -8924.11 | Invoice #1a#4,#2,#10,#15ob |
| 4. Mail Services | 1,500.00 | 1387.58 | 112.42 | Invoice #4, #2, #10 |
| c. Second Announcement | | | | |
| 1. Mailing Lists | 800.00 | 450.50 | 349.50 | Invoice #11 |
| 2. Printing | 6,000.00 | 1860.46 | 4139.54 | Invoice #6 |
| 3. Postage | 4,500.00 | 3083.36 | 1416.64 | Invoice #20 |
| 4. Mail Services | 900.00 | 160.00 | 740.00 | Invoice #20 |
| d. Ads (Under the control of the promotion chairman) | 8,000.00 | 2541.25 | 5458.75 | Invoice #19,#21 |
| II. Administration: Communication and Correspondance | | | | |
| a. Printing | 1,200.00 | 659.65 | 540.35 | Invoice #9,#20,#18,#27 |
| 1. Letterhead and Envelopes | | | | |
| 2. Confirmations (Letter and Information) | | | | |
| b. Postage | | | | |
| 1. Confirmations and mailing brochures | 1,300.00 | | 1300.00 | |

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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| c. Telephone | | | | |
| 1. Meeting (Control: Nomi) | 500.00 | | 500.00 | |
| 2. Committee (Control: Conference Chairman) | 3,000.00 | | 3000.00 | |
| d. Managment Contract | 4,000.00 | 4000.00 | 0.00 | Invoice #29 |
| e. Audit | 5,000.00 | | 5000.00 | |
| f. Finance Management | 3,000.00 | 2932.72 | 67.28 | Invoice #54 |
| III. Proceeding Preparation | | | | |
| a. Proceeding Papers | | | | |
| 1. Authors (forms) | 3,000.00 | 904.03 | 2095.97 | Invoice #3, #1, #36 |
| 2. Mailing author kits | 2,700.00 | 4031.53 | -1331.53 | Invoice #5, #3, #15, #25 |
| 3. Confimation to authors | 250.00 | | 250.00 | |
| 4. Mailing papers to reviewers (Fed-Ex) | 1,000.00 | 1215.40 | -215.40 | |
| 5. Telephone (reviewers/authors) | 300.00 | 300.00 | 0.00 | Invoice #31 |
| 6. Temp - process papers (labor) | 800.00 | 980.00 | -180.00 | Invoice #16 |
| IV. Proceedings Printing (Control: Publication Committee) | | | | |
| a. Program Preparation | | | | |
| 1. Preparation by Nomi | 500.00 | | 500.00 | |
| 2. Typeset and Printing | 2,500.00 | 1677.91 | 822.09 | Invoice #35 |
| b. Printing of Proceedings | 56,000.00 | 57231.08 | -1231.08 | #20A, 40, 39,53 |

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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| V. Meeting Expenses | | | | |
| a. Registration Packet (w/o proceedings) | | | | |
| 1. Registration supplies (name badges, ribbons, packet/envelope, pens) | 2,000.00 | 2000.00 | 0.00 | Invoice #26 |
| 2. Tote bags | 12,000.00 | 9023.06 | 2976.94 | #32,43 |
| 3. Tickets for social events, proceedings, announcements/changes | 2,000.00 | 2000.00 | 0.00 | Invoice #26 |
| 4. Final Program | 13,000.00 | 8853.81 | 4146.19 | Invoice # 37, 35 |
| b. AV equipment and technicians | 11,000.00 | 9631.79 | 1368.21 | Invoice #47a |
| c. Staff | | | | |
| 1. Last month temps | 6,600.00 | 6600.00 | 0.00 | Invoice #30 |
| 2. Registration on site | 12,100.00 | 18956.00 | -6856.00 | Invoice #33, #47, #46 |
| d. Signs | 2,000.00 | 2000.00 | 0.00 | Invoice #34 |
| e. Freight to Washington | 2,400.00 | 3687.00 | -1287.00 | Invoice #26,44 |
| f. Rental Equipment (Typewriter) | 500.00 | | 500.00 | |
| g. Security | 1,500.00 | | 1500.00 | |
| h. Local Arrangement | 2,000.00 | | 2000.00 | |
| i. Boards (Rental) | 2,250.00 | 1040.00 | 1210.00 | Invoice #48 |
| j. Supplies (pins, markers, etc) | 500.00 | 500.00 | 0.00 | Invoice #26 |
| k. Printing (Schedule, locations, numbers) | 200.00 | 200.00 | 0.00 | Invoice #26 |

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June 1, 1990

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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| VI. Hospitality | | | | |
| a. Coffee Breaks | 36,000.00 | 30937.12 | 5062.88 | 0221705, 0222705, 0223907, 0224104,0224404, 0225005 |
| b. Welcome Reception | 30,000.00 | 11108.14 | 18891.86 | Invoice 49 |
| c. Wednesday Party | 80,000.00 | 76727.72 | 3272.28 | 0224907, 0224907 |
| VII. Miscellaneous | | | | |
| a. Petty Cash | 1,200.00 | | 1200.00 | |
| b. Contingency Fund | 3,600.00 | 2000.00 | 1600.00 | Advance |
| VIII. Tutorial Management | | | | |
| a. Presenters | 84,000.00 | 66500.00 | 17500.00 | Invoice 52a |
| b. Printing books | 12,000.00 | 10643.80 | 1356.20 | Invoice #35, 38,42 |
| c. Video Taping | 10,000.00 | 2500.00 | 7500.00 | Invoice #55 |
| d. Refreshments | 10,000.00 | 2499.84 | 7500.16 | Invoice #47, 220905 |
| e. AV | 2,500.00 | 3216.04 | -716.04 | Invoice 48a,49a,50a |
| f. Tickets/typesetting | 2,000.00 | | 2000.00 | |
| g. Tutorials Committee | 2,000.00 | 1350.00 | 650.00 | Invoice #14, 47 |
| h. Other | | | | |
| Signs | 1,000.00 | | 1000.00 | |
| Supplies | 1,000.00 | | 1000.00 | |
| Miscellaneous | 500.00 | | 500.00 | |

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June 1, 1990

IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| IX. Exhibits Management | | | | |
| a. Printing Exhibit Guide | 3,500.00 | 2177.31 | 1322.69 | Invoice #8, 41 |
| b. Decorator | 3,500.00 | 6864.75 | -3364.75 | Invoice #48 |
| c. Hotel Charge | 6,000.00 | | 6000.00 | Invoice #47, 48 |
| d. Security | 4,000.00 | | 4000.00 | |
| e. Printing announcements and marketing | 1,000.00 | | 1000.00 | |
| X. Committee Expenses | | | | |
| a. Intermediate | 1,000.00 | 826.64 | 173.36 | #12, 13,#25A, 24A |
| b. At Conference | | | 0.00 | Invoice #47 |
| 1. Amari | 3,600.00 | | 3600.00 | |
| 2. Eckmiller | 2,800.00 | | 2800.00 | |
| 3. Stubberud | 3,600.00 | 990.00 | 2610.00 | |
| 4. Snyder | 4,600.00 | 2051.19 | 2548.81 | 24a,25a |
| 5. Hecht-Nielsen | 1,500.00 | 150.00 | 1350.00 | |
| 6. Glaser | 1,150.00 | | 1150.00 | |
| 7. Hopfield | 1,150.00 | | 1150.00 | |
| 8. Sejnowski | 1,150.00 | | 1150.00 | |
| 9. Werbos | 200.00 | | 200.00 | |
| 10. DeClaris | 1,800.00 | 2000.88 | -200.88 | Invoice #25b |
| XI. Insurance and Bonding | 300.00 | | 300.00 | |
| XII. Emergency Chair Reimbursement Fund | 35,000.00 | 16571.94 | 18428.06 | |
| Hotel | | 16051.28 | -16051.28 | Due to insufficient documentation, I could not assign the rest of the hotel bill to the budget |
| Total | 559,710.20 | 436,715.62 | 122,994.58 | |


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# IJCNN 89 FINANCE COMMITTEE

Summary of Financial Transactions
(Estimated on the Basis of Bank Statements)
October 9, 1989

| | CREDITS | DEBITS |
|---|---|---|
| "Seed" Deposits | 41,000 | |
| Registration & Fees Deposits | | |
| Checks | 612,466 | |
| Cash | 32,697 | |
| Interest Earned | 7,457 | |
| "Seed" Refunded | | 41,000 |
| Registration & Fees Refund | | |
| Bank debited | | 6,072 |
| Conference Expenses for: | | |
| On-Site Meeting Management Advance | | 10,000 |
| Hotel (paid in full) | | 137,577 |
| Checks for Invoices & Refunds | | 280,373 |
| Pending (Estimated) | | 16,500 |
| Surplus (Estimated) | | |
| Check to NCC | | 97,000 |
| Check to INNS | | 97,000 |
| Contingency (for future distribution) | | 8,098 |
| Totals | 693,620 | 693,620 |

Pat
I thought this may be of interest to you also.
ND

CONFIDENTIAL
FOR COMMITTEE USE ONLY

Nicholas DeClaris

Nicholas DeClaris, Chairman

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**GENERAL DYNAMICS**
*Electronics Division*

Date: 2-2-91

To: Nick DeClaris

From: P.K. Simpson

Nick DeClaris
150 Howard Hall
Univ of MD Med. School
660 W. Redwood Street
Baltimore, MD 21201

Nick:

(1) Thank you for your letter of 1/23/91; I received several FAX copies & a mailed copy.

(2) The audit will be distributed as soon as I get the minutes from the 1990 June AdCom. I need to attach a copy of these with the copy to ~~IEEE~~ HQ.

(3) It is not clear to me what "financial status" you will need to close out on the long overdue audit of the IJCNN 89 Conference. Please transmit a ~~this~~ clarification as soon as possible.

(4) It is not clear to me what "requested information" you desire from the NNC. Please clarify your needs as soon as possible & transmit them to me if they are applicable. The only issue

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that remains unresolved on my agenda is the distribution of the aforementioned WCNN 89 audit.

(5) Your FAX message of 1-23-91 stated that "Your FAX did not arrive in good shape" I have sent another copy of this letter to you in this transmittal. Please note that this is the fourth time that you have been sent this to you

1. Returned reg. mail to your home
2. Mail to Univ. of MD - College Park
3. Faxed to you as aforementioned

I sincerely hope you get this copy "in good shape."

(6) It was unclear what you meant concerning "wrong statements" and "good faith". If you could elaborate your specific needs to me, relative to your needs pertaining to my position as NNC Treasurer, I will process them faithfully & forthright.

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**GENERAL DYNAMICS**
*Electronics Division*

Date: 2-2-91

To: Nick DeClaris (cont'd)

From: P.K. Simpson

(7) If you need any information, please do not hesitate to contact me at the address on the attached card.

Sincerely,

Patrick K. Simpson

Attachments: Copy of letter dated 7/10/90
Copy of FAX dated 1/10/91

cc: Irving Engleson, IEEE HQ
Robert J. Marks, NNC President

P.S. I apologize for handwriting this note, but I am not able to get to a word processor & wanted to reply as soon as possible. -PS

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# IEEE NEURAL NETWORKS COUNCIL

Patrick K. Simpson, Treasurer
*IEEE Neural Networks Council*
General Dynamics Electronics Division
17436 Ashburton Road
San Diego, CA 92128
619/573-2417

Nicholas DeClaris
8518 Beauford Drive
Fulton, MD 20759

July 10, 1990

Dear Dr. DeClaris:

As the audit of the 1989 International Joint Conference on Neural Networks (1JCNN 89) draws to a close, we need to collect all the remaining funds for eventual distribution. Because all of the remaining expenses for IJCNN 89 are being paid through the Neural Networks Council (NNC) —specifically, the audit— there should be no need for any containment of funds by the IJCNN 89 finance committee. To the best of my knowledge, at the present time all the funds have been collected with the exception of the $2000.00 check that you presented at the recent NNC AdCom meeting held June 19, 1990. Although the check was made out to "International Neural Networks Conference" and it did not have IEEE as the payee, the IEEE Technical Activities Finance Administrator has informed me that it is a valid check and suitable for deposit. I apologize for misinforming you to the contrary.

To expedite the closure of IJCNN 89, please forward the aforementioned check to the IEEE at the following address:

Marilyn Prusan
Finance Administrator
IEEE Technical Activities
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

If you have any questions or comments, please do not hesitate to contact me at the address listed above. Your immediate attention to these matters is greatly appreciated.

Sincerely,

– copy – 1/10/91
original sent to above address, returned & resent to
University of MD, College Park Campus, Dept of Electrical Engineering

Patrick K. Simpson

CC: Marilyn Prusan, Irv Engleson (IEEE TAB), Robert J. Marks II (IEEE NNC)



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AL DYNAMICS
ectronics Division

**WRITTEN WIRE MESSAGE**

WRITTEN WIRE MESSAGE PLUS ATTACHED SHEETS + TOTAL NO. OF SHEETS =

TO (COMPANY NAME, ADDRESS AND "ATTENTION")

Nick DeClaris
Phone 301/328-2060

DATE 1-10-91

SEND VIA NO

MAILGRAM ☐
TELEX ☐
TWX ☐
TELEGRAM ☐
FAX ☒ 301/328-2

FROM Patrick K. Simpson

NAME & TITLE: Program Manager/Principal Investigator Neural Networks

GENERAL DYNAMICS ELECTRONICS DIVISION
5011 Kearny Villa Road - Bldg. 70
San Diego CA 92123-1447
FAX:619-573-2266

DEPT. NO. 607
(REQUIRED BEFORE MESSAGE TRANSMITTAL)
MAIL ZONE 7202K
TELEPHONE 619-573-2417

## Return FAX Number: 619/573-2266

(UNATTENDED)

MACHINES WILL NOT TRANSMIT PENCIL - PLEASE USE BLUE OR BLACK INK TYPE ALL CAPS

Nick:

① I received your letter of 12/28/90, thank you for the response. Attached is a copy of the letter that was sent to you at the address listed in the NNC Ad Com minutes of June 1990's meeting in San Diego. You did confirm that this was your preferred address at that meeting.

② Attached is a copy of the letter I attempted to send to you in July of last year. As you mentioned, it was not received by you at your home, but I did later send it to the College Park Campus It is puzzling that you did not receive this.

③ I have made note of your new preferred address. I look forward to your response to the attached item.

Sincerely,

Patrick K. Simpson
NNC Treasurer

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Coopers &Lybrand

certified public accountants

## REPORT OF INDEPENDENT ACCOUNTANTS

To the Committee of
The Institute of Electrical and Electronics Engineers, Inc.
Third Annual International Joint Conference on Neural Networks
San Diego, California

We have audited the accompanying statements of revenue collected and expenses paid and distribution of net proceeds, on a cash basis, for the Third Annual International Joint Conference on Neural Networks held on June 18 through 22, 1989. These financial statements are the responsibility of the Conference's Committee. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described in Note 1, the accompanying statements of revenue collected and expenses paid and distribution of net proceeds have been prepared on the basis of cash receipts and disbursements, which is a comprehensive basis of accounting other than generally accepted accounting principles.

In our opinion, the financial statements referred to above present fairly, in all material respects, the revenue collected and expenses paid and distribution of net proceeds of the Third Annual International Joint Conference on Neural Networks covering the period of June 18 through 22, 1989, on the basis of accounting described in Note 1.

Coopers & Lybrand

San Diego, California
July 26, 1990

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THE INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS, INC.

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REPORT ON AUDIT OF STATEMENT OF REVENUE COLLECTED AND
EXPENSES PAID AND DISTRIBUTION OF NET PROCEEDS
For the Third Annual International Joint
Conference on Neural Networks
Held on June 18 Through 22, 1989

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THE INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS, INC.

STATEMENT OF REVENUE COLLECTED AND EXPENSES PAID
For the Third Annual International Joint
Conference on Neural Networks
Held on June 18 Through 22, 1989

| | Conference | Tutorial | Total |
|---|---|---|---|
| Revenue collected: | | | |
| Registration | $368,931 | $ - | $368,931 |
| Tutorials | - | 203,225 | 203,225 |
| Exhibits | 43,690 | - | 43,690 |
| Proceedings | 9,845 | - | 9,845 |
| Other revenue, including interest of $10,563 | 13,223 | 5,281 | 18,504 |
| Total revenue collected | 435,689 | 208,506 | 644,195 |
| Expenses paid: | | | |
| Marketing | 16,054 | 16,053 | 32,107 |
| Administration | 8,807 | - | 8,807 |
| Exhibits | 9,439 | - | 9,439 |
| Proceedings | 79,243 | - | 79,243 |
| Hospitality | 138,364 | - | 138,364 |
| Committee expense | 20,044 | 3,582 | 23,626 |
| Local arrangements | 33,067 | 8,267 | 41,334 |
| Tutorials | - | 84,417 | 84,417 |
| Total expenses paid | 305,018 | 112,319 | 417,337 |
| Net proceeds | $130,671 | $ 96,187 | $226,858 |

The accompanying notes are an integral part
of the financial statements.



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THE INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS, INC.

DISTRIBUTION OF NET PROCEEDS
For the Third Annual International Joint
Conference on Neural Networks
Held on June 18 through 22, 1989

| | Conference | Tutorial | Total |
|---|---|---|---|
| Net proceeds | $130,671 | $96,187 | $226,858 |
| Distribution: | | | |
| Educational Activities Board | $ - | $96,187 | $ 96,187 |
| Technical Activities Board | 130,671 | - | 130,671 |
| | | | $226,858 |

The accompanying notes are an integral part
of the financial statements.



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THE INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS, INC.

NOTES TO STATEMENT OF REVENUE AND EXPENSES
AND DISTRIBUTION OF NET PROCEEDS
For the Third Annual International Joint
Conference on Neural Networks

1. **Organization and Basis of Presentation:**

The San Diego Chapter of the Institute of Electrical and Electronics Engineers, Inc. (the I.E.E.E.) held the Third Annual International Joint Conference on Neural Networks from June 18 through 22, 1989. The statements of revenue collected and expenses paid and distribution of net proceeds for that conference have been prepared on the cash basis of accounting and not on an accrual basis, as would be required by generally accepted accounting principles. In order for the statements to be in accordance with generally accepted accounting principles, revenue would be recognized when earned, rather than when received, and expenses would be recognized when incurred, rather than when paid (see also Note 3).

2. **Income Tax:**

No income tax has been provided on the net proceeds since this was an activity of the I.E.E.E. and the outcome will be incorporated into their operating results at year-end.

3. **Contingencies (Unaudited):**

Below is a summary of the unaudited payable outstanding at June 22, 1989. Had this liability been reflected as an expense in the accompanying statement of revenue and expenses, the net proceeds from the conference and tutorials would have been as follows:

| | Conference | Tutorial |
|---|---|---|
| Net proceeds | $130,671 | $96,187 |
| Expenses: | | |
| Audit fees | 9,200 | 2,300 |
| Total | $121,471 | $93,887 |

Additionally, the conference had an advance of $41,000 from the I.E.E.E. San Diego Section, which was refundable to them. This amount has not been included as revenue or expense in the accompanying financial statements.

I.E.E.E., as a not-for-profit organization, is not subject to income taxes on interest revenue. A notice of the tax exempt status was not filed with one of the financial institutions; consequently, they withheld $1,350 of income taxes. This amount is due to I.E.E.E.



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THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

Department of Biomedical Engineering • College of Engineering
P.O. Box 909 • Piscataway • New Jersey 08855-0909 • 908/932-3155 • FAX: 908/932-3753

January 30, 1991

Professor Robert Marks II, Chairman
IEEE Neural Networks Committee
University of Washington
Dept. of Electrical Engineering
Seattle, WA

Dear Professor Marks:

As per your request, here are the minutes of the Executive Session on June 19, 1990, with attachments.

Best regards,

Evangelia Micheli-Tzanakou
Professor and Chair
Biomedical Engineering

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EXECUTIVE SESSION

A motion by P. Simpson "I move that we recommend that IEEE Headquarters fully pursue and refer to the Technical Activities Board any alleged irregularities in any IEEE Neural Networks Council sponsored conferences" instigated the meeting to continue under an executive session (see p.6 for the actual executive session).

NICK DECLARIS - This motion is directed to me personally. OK. I was the finance Chair for the IJCNN 89. The first IJCNN which is the one held in Washington. The general chair for that meeting was Co Chairs Snyder and Stubaru and they developed a budget in which I had no part in making the budget. I sat down and I accepted it and accepted the appointment as Chairman of the Finance Committee and put myself to the order of enforcing that particular budget. The bottom line of that I will not trouble this council at this stage but some other time I will. There were a number of irregularities, things taking place which I attempted to straighten out.

P.SIMPSON - I think this is exactly the thing....

NICK DECLARIS - Would you like me to finish.. among the things that came out, we enforced the budget in a way that we ended up with a profit of nearly little more than $200,000 at the end - $200,000 profit came because we did not adhere to the budget. If we had spent what was budgeted there would not have been a profit of $200,000 and the reason we did not spend it was because we policed it very very heavily. We kept very good records and I had requested at the time, as Chairman of the Finance committee, to appoint an auditing firm of national name that would have both offices in Washington and San Diego because although the



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Committee - the meeting was in Washington, the money was spent -- the actual money was handled here in San Diego - the money came and was deposited in a bank in San Diego, the money was spent in Washington - you can all see the nightmare of a situation like this. The bottom line is for whatever reasons, the recommendations I made, and although Bob had agreed that we will have an audited committee, was reversed.

BOB MARKS - I'm sorry...but

NICK DECLARIS - Remember, I had requested a firm in Washington and I proceeded to make the negotiations.

BOB MARKS - I never approved that

NICK DECLARIS - I have a written statement that you agreed on that subject to approval.

BOB MARKS - I believe the word "tentative" was used in that

NICK DECLARIS - YES - but be that as it may the next thing was that an auditing firm was appointed and nothing happened to it in December when we were supposed to have it and we were not - I was not notified-until February that an auditing firm has been assigned to audit those records, the exact date of the letter was Feb. 20 or thereabout.

RUSS EBERHART - Your were notified on January 15 - its in the minutes that Cooper and Lybrand..

NICK DECLARIS - Well, as it turns out it is not Cooper and Lybrand doing it - it is a local firm in Washington - they have delegated it to another firm.

R. EBERHART - The audit will be issued by Coopers and Lybrand...

BOB MARKS - let Nick complete his statement and we can have



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further discussion.

NICK DECLARIS - the point is that when I was notified that they had a firm it was at a time when already a number of things had taken place that could not be attended. Since that time, I have notified the local people here - in fact when I got here I came just in order to close these accounts. I had difficulty in doing that and at this stage I am trying to see how I can do this without confrontations otherwise there will be confrontations.

BOB MARKS - For the record, you have been removed from the financial obligations of the conference by an agreement between INNS President, myself, and with the concurrence and knowledge of Irv Engelson and in that letter which you have just received it was stated that the audit would be performed by Coopers & Lybrand.

NICK DECLARIS - But I told you, I was not contacted by Coopers. The letter which I have here is from a different firm.

P. SIMPSON - Graff and Douglass - but they are acting - they are subcontracted from Coopers.

N. DECLARIS - But that presents problems, the firm which I was

P.SIMPSON - The relationship, Nick, is explained in this booklet.

NICK DECLARIS - I did not receive a copy of this book. The only thing I received was by Graff and Douglas, a local firm, not a firm which has a representative in ... and I attempted - I came and I called these people and I was not able to see them. So I have a problem in negotiating--here is the letter for anyone who wants to see it dated March 8, 1990. March 8th!

BOB MARKS - If you would like to enter that into the record, you



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are welcome to do so. I recognize Russ Eberhart.

R.EBERHART - There is a lot of history here - I am not going to go through the history I'm going to say the facts. I'm going to read sections of the IEEE Conference Organization Manual and then I'm going to say briefly what was done. Sec. 8 on the finance committee and each finance committee is required to follow these guidelines.

Sec. 8.1.1 - all conference bank accounts must have the identifying IEEE in the first part of the accounts name - a bank account must never be in an individual's name. That was not done on this account. Sec. 8.1.1.2 IEEE policies and procedures requires that all conference bank accounts have alternate signatures designated. Minimum signatures include 1 volunteer alternate from the conference committee, usually the conference chairman. That was not done on this account. The IEEE Controller, or the Controller's designee. That was not done on this account until October or so. The uniform employer identification number that has been assigned by the IRS for use by all IEEE conferences is such and such - this should be used whenever IEEE financially sponsored conferences - this was not done in this case.

It is the responsibility, now this is 8.1.1.4, it is the responsibility of the conference treasurer to report to the IEEE the principal amount, annual acured interest, account number, and name and address of any financial institution in which any account is open and exists at the end of the year. This information is required by the institute of internal revenue service information and this was not done.

Closing of an account - each conference is required by IRS



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regulations to close its account and submit a final financial report which is contained in this manual to IEEE headquarters. It is the reponsibility of the Conference financial conference chairman to insure that this procedure is strictly followed in order to protect IEEE non-profit tax status. That was not done in this account.

We received a letter dated Oct 9 1989 from the Conference finance chairman in which he says "I am declaring a surplus of $194,000 which at the request of Bob Marks I am now distributing equally to the NNC and INS and included in the finance statement was a contingency of $8,000 so the total here is $202,000 tentative surplus. Since this letter was rec'd by us which was submitted to the IEEE as the final financial report of the Conference at least in the understanding of Irv Engelson and Mel Olken at headquarters we have received funds on December 4th closing out an account at a San Diego bank for $6021.66.

There is also another account here in San Diego that has a couple of thousand dollars in it and an account in Baltimore with a balance in excess of $25,000. On Feb. 13, 1990 the IEEE signed with Coopers and Lybrand a letter authorizing the audit. Pat Scarbaro of Coopers and Lybrand left the company and went to this other company with the agreement that the final audit will be issued by Coopers and Librand because she has audited this conference for the 3rd year. On March 20, 1990, I sent a letter to Dr. DeClaris reading in part "the NNC recognizes the significant conference related work you have already done and will appreciate your full cooperation with the audit (letter attached to these



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minutes). As of noon today, Coopers and Lybrand has not received any information to perform the audit from Dr. DeClaris.

Section 8.4.1, is the final responsibility of the treasurer to prepare a final report by completing the summary financial report form in this book and repay all loans. This should be done within 6 months of the conference. This was not done in this case.

The last two I'll read. The financial report and supporting documents detail financial report forms 1 and 2 should be submitted to the conference general chairman for submission to each sponsoring entity and to the IEEE conference services office. This report should be filed within 6 months of the conference date (and this is underlined), it is not necessary that all accounting be completed prior to the filing of this report.

The last thing I'll read is section 8.4.3. In addition more complete detailed accounting to the conferences incoming expense items should be documented on the IEEE Conference detailed financial report (part I income and part II expense) - that was not done for this conference.

Those are the facts, the audit is on the way and I suggest that this council be aware that the reason this motion is made is not just for this conference but that this situation which has taken the emotional energy and time and has in my opinion tarnished the IEEE's reputation with some of our people we are dealing with in this conference, I would urge that we pass this motion.

C.ROBINSON - I am worried about a couple of things, so first of



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all I rise to a point of privilege. I would ask that this be considered an executive session and all non voting members be asked to leave.

BOB MARKS - What's the rule on that. I will ask all non voting members to leave. We are now in Executive Session. I should mention that Dr. Louis has been given the written proxy of Toshio Kanaku

(Non Voting members left the room at this point).

EXECUTIVE SESSION BEGINS HERE

C.ROBINSON - I rise to a point or order. I must say I have nothing to do with this debate but I think both the discussion here and Russ your discussion did not address the motion that was made. They were facts that presented a case but in a situation where we may have a potential legal implication, points were raised that there was no right of conflict.

B.MARKS - I think that's the reason we have to do this.. to submit it to IEEE get it out of the agenda of this body.

C.ROBINSON - But the motion does not specifically relate to this particular item, you made a generic motion and specifics were raised.

P.SIMPSON - I could make a friendly amendment and be specific. I am the Treasurer of the Neural Networks Council. It is my job to close out the accounts of this Conference. That is my job. And I need to know where all the funds went to and I was not involved with that Conference, so I can consider myself an independent party. I just want to make sure all these funds are accounted for.



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NICK DECLARIS - Well, why didn't you return my calls. I placed calls to you. You never returned my call, I never had a telephone number for you, I left a message in your tape, I left messages with Kosko and you never once contacted me personally. Have you ever once talked to me personally since you became the Treasurer. I have difficulties with Eberhart because he interfered in a way that I do not think is proper. But with you I never had any contact at all. You didn't even contact me to tell me what was happening.

P.SIMPSON - I know its unfortunate. My work schedule,Nick, is Sunday thru Thursday. And you called Thursday...

NICK DECLARIS - But I called a month ago.

BOB MARKS - Would you address the general motion.

P.SIMPSON - I would like a friendly amendment to be specific about this conference the IJCNN 89 I am happy to amend the motion to say instead of saying any Neural Network sponsored Conference, any IJCNN conference this conference.

BOB MARKS - Is there a second to the amendment?

BOB MARKS - Second, C. Robinson, OK I will accept that then as a friendly amendment.

NICK DECLARIS - Mr. Chairman, Eberhart raised points of accusations and I must be given the opportunity to answer every one he made.

BOB MARKS - Right, but I would like to see it taken out of this body.

NICK DECLARIS - But he made it in front of this body and you have to give me the opportunity to refute all the points he made because I disagree with the things he said and I think they are



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libel or mistaken and intentionally so. For example, ...

C. ROBINSON - May I raise a point of privilege please, I would ask that Roberts rules be strictly adhered to in that the Chair rule that no one can speak more than twice on any motion before the board.

BOB MARKS - I'll adhere to that. Is your intent from this point on or... OK, I think from this point on, each person is allowed to address the question on the table in 2 items of discussion.

B.NEWCOMB - I don't understand the need for such a motion. Doesn't the IEEE automatically inform you or somebody if there is an irregularity. They have to do something, they are not just going to let it sit.

BOB MARKS - There is a question, and I'm not sure of the answer. Russ, would you respond to that question.

RUSS EBERHART - We were requested by IEEE headquarters, namely Irv Ingelson, to consider this motion.

B.NEWCOMB - So, Irv Engelson asked us to make such a motion, the Council to make such a motion.

R. EBERHART - Not those exact words. What he said was "if there are alledged or perceived problems or irregularities with the conference, we at headquarters must have some kind of a direction from the society or council to pursue, look into or further explore these alledged problems. Therefore, I would like a motion to come out of your Ad Com meeting".

BOB MARKS - Bob, do you want to continue with your statement or are you finished.

B.NEWCOMB - If there is really something wrong the IEEE head-



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quarters has to step in and handle it. In fact, I'm worried that those of us here get involved in this kind of a problem.

BOB MARKS - That's why I would like to take it from this body and shoot it upstairs. Let's continue. If I am to adhere strictly to Roberts rules, I have to keep my opinions to myself.

C.ROBINSON - Point of record, I hate to keep doing this to you but I think its substantial that we keep it straight. I would like the record to show that the original motion did not specify any conference, that the gentleman on my right assumed was addressed to his conference and raised the point, and then Russ Eberhardt gave a response.

BOB MARKS - In addition, there was an amendment made and 2nd made to the amendment after that. So officially we are discussing the amendment. May I have a statement of the amendment.

NICK DECLARIS - I just want to make a point of order. I objected to the statements as being untrue. What Eberhart reported was untrue and deliberately so. Because he knows that some of the things he said were not correct. That's all. Statements were made that were untrue about my activities.

E. TZANAKOU - If I can make it straight after all these discussions. OK, the first motion was saying, "I move that we recommend that the IEEE headquarters fully pursue and refer to the technical activities board any alledged irregularities in any IEEE neural networks council sponsored conferences." That was made by Patrick Simpson. Then he made a friendly amendment to refer to the particular conference which was the one that Dr. DeClaris was the financial chair.



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BOB MARKS - The motion belongs to the body and therefore if we are stricly adhering to Roberts rules, we are addressing the amendment which was also made by Pat and seconded by Russ.

C.ROBINSON - Call the amendment.

NICK DECLARIS - I would like to be given the opportunity to discuss the amendment.

The amendment is called. The call is undebatable which means that we now vote, what is the vote - yes 2/3 - OK we are now voting on whether we vote on the amendment.

--What's the amendment?

BOB MARKS - Do you have a statement of the amendment?

E.TZANAKOU - It was amended to refer to the particular conference which was in 1989.

B. MARKS - So if 2/3 vote positively then we immediately vote on the amendment. I call the question. All in favor. Could I request the secretary to verify my vote count. All in favor of immediately voting on the amendment - 11. All opposed 0. Abstain 2. We immediately vote on the amendment. May I have a statement of the amendment.

E. TZANAKOU - We refer to the particular conference of the IJCNN of 1989.

BOB MARKS - All in favor. We are now voting on the amendment.

PAT SIMPSON - Here's how I understand it. We are recommending that IEEE headquarters fully pursue and refer to the technical activities board any alleged irregularities in the 1989..

C. ROBINSON. - No, No, --you have to read the original one.

PAT SIMPSON - OK IEEE Neural Networks Council sponsored



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conferences.

BOB MARKS - That was the original motion.

P. STIMPSON - It was then amended to say, "instead of any IEEE Networks Council sponsored conferences" to say, "in the 1989 IEEE/INNS International joint conference."

BOB MARKS - All in favor of the amendment. No discussion. We are voting on the amendment specifically.

BOB MARKS - All in favor, please raise your hand. 10. All opposed 2. The amendment passes. May we have a reading of the original motion as amended, please.

P. SIMPSON - I move that we recommend that the IEEE headquarters fully pursue and refer to the technical activities board any alleged irregularities in the 1989 IEEE/INNS International Joint Conference on Neural Networks.

BOB MARKS - Is there any discussion on the amendment.

NICK DECLARIS - I would like to address now the positions made.

C. ROBINSON - On the amendment?

BOB MARKS - No, No, this is on the original motion as amended.

NICK DECLARIS - Let me say, there were the following irregularities from my point of view. There was an account here in San Diego opened and operated by N. Feldman of which I knew nothing and over which I had no control. And that account actually had money which was deposited on behalf of that Conference of which I was not advised and of which Eberhart was advised and he did not let me know. There was money that belong to the budget of which I didn't have knowledge but neither did the general chairs.

Second, the attempt that I made to find out about this audit is that this morning I had notified people I would be here in San



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Diego and I wanted to meet with them. I called and the auditor, Pat Szarabo, was out of town. Yesterday and today. And I spoke to one of the senior auditors, Bill Graff who told me he was sorry that these people were out of town so although I came here and I had records to discuss with them, I was not able to meet them. I specifically made it a point to attend to. As far as financial records, we had them ready and were ready to issue a report in December, but at that time, in fact I told Bob orally, and I called him, and I told him I was sending all the stuff in IEEE in January. He said to me I apoligize to you because I have not written to you about the agreement we have and as a result of that, I send orders to my office not to send the stuff to the IEEE. And so there has been some confusion on the part of the people who work with me as to where the records are.

So I feel that a number of statements made here are definitely untrue and we would like to establish a procedure whereby at least the records I have can be safeguarded. Today I went to the bank in San Diego and I closed the account. We have given instructions to close that account before and it was not done. I had to personally fly in and close that account. And I have with me a check for $2,000 made not to individuals but made to the International Joint NN Conference 1989, dated June 19, 1990 $2,000. A copy will be put in the records.

P. SIMPSON - Its worthless. Nick, that is not the name of the conference. You were the Finance Chair of that conference .

B. MARKS - You can respond to that.

NICK DECLARIS - So you can see problems have been created because



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of the interference with my office to execute the job we were to do.

B. MARKS - Are you finished.

N. DECLARIS - Yes.

R. EBERHART - I would like to request the chair to express his opinion.

B. MARKS - I think by Roberts rules I need to relinquish my Chair. Is that correct. So I relinquish my Chair. If it is acceptable to the body, Charles (Robinson) will you be willing to chair?

C. ROBINSON - I think that each of your officers would have to decline. Is it Treasurer and then Secretary?

R. EBERHART - I defer,

B. MARKS - Pat?

E. TZANAKOU - No, I think it is Secretary and then Treasurer.

B. MARKS - Would you take the Chair?

E.TZANAKOU - No, I defer.

B. MARKS -So then its an appointee.

E. TZANAKOU - Yes, its Charles.

For the record, gavel now turned over to Charles Robinson as moderator.

B.MARKS - There are some items I want to place into the record and attach to the minutes. From the beginning I was frustrated and found many obstructions. Let me state facts...Headquarters themselves and the Finance Committee Chair have also expressed the opinion. In particular, I have a letter of disassociation from the Conference Chairs Al Stubberud and Wes Snyder dis-associating themselves from the Conference because they cannot



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get any sort of records regarding the financial aspects of the Conference. I will give this to the Secretary (Attachment I). Also, there is another document by Marks and Widrow dated 10/17 (Attachment II) in which I informed him there would be an audit to be done by Cooper and Lybrand with the concurrence of Irv Ingelson.

B.NEWCOMB - May I ask a question? What are we doing here. I really worry about many things.

C.ROBINSON - I do recognize that as a question of priviledge and a question of order. From a parliamentary standpoint, I think that this documentation has probably gone far beyond the tenets of supporting the motion. Although it was originally raised by Dr. DeClaris, I do not think in strict parliamentary sense that this discussion is directed to the general gist of the motion.

B.MARKS - May I request that these documents be included in the minutes?

C.ROBINSON - And I do that for a couple of things. I think we need to recognize that as the administrative and governing body of the Society we have made some substantial discussions on both sides and the parties involved have not been given the priviledge of counsel.

B.NEWCOMB - This is what concerns me, it is not a matter, I feel, for us, maybe we should be informed. I think its a matter for some other body.

C.ROBINSON - Well, if, from what I heard, as long as he states dates and letters. And Dr. Eberhart gave dates and times and citations of various documents. And Dr. Marks has also presented



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dates and times, there is no problem. But as soon as someone comes in and says someone failed to do something, then maybe. So if you wish to read into the records any date, any time when you sent a letter and the fact that you didn't receive a response, that's fine. But when you attribute other things to people, I don't think we should do that. And I would welcome the sense of anyone here.

B. MARKS - May I say something. I would like to apologize to Professor DeClaris for any statements considered derogatory and I would also like to state I am in support of the motion. I don't think its the purpose of this body to do that, the IEEE has procedures and skills...

N. DECLARIS - I want to respond. The first time that I officially heard that was true that I received communication from Bob Marks that they getting Cooper and Lybrand to do the audit I have I was not contacted by anybody officially until March 8, 1990. So I want to enter it into the records. On March 8th, I was contacted by Jackow, Graff & Douglas who advised me that Cooper and Lybrand had been retained but they were doing the job. But what is important to remember is that Jackow etc. is an accouting firm in San Diego, not a nationally known firm, like the one I proposed. But more important, is the accountant who was going to do the account was the same one who has done the previous audits in the Conference before and which I had serious questions in behalf of this organization. So I want that entered into the record.

C.ROBINSON - Now this is your second time at talking the motion. Is there any other comments you wish to make.

N.DECLARIS - Yes, my comment is the way I would propose to do



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this is I would like that since there has been no communication for me by any of the officers of the council about the so called wrong doings, I would like to ask if possible that a sub committee of this council be created that would work with me so that we can bring a report to this council as to the status of the financial affairs of that meeting.

C.ROBINSON - Are you a voting member?

N. DECLARIS - Yes.

C. ROBINSON - OK make a motion.

B.NEWCOMB - There is a motion on the floor

C.ROBINSON - This could be an amendment

N. DECLARIS- Can I make an amendment

B.NEWCOMB - What if he is opposed to the present motion.

B. MARKS- I have no problem with this suggestion

C. ROBINSON- I will rule on this. Here's what happens in Roberts Rules. If the motion that is on the table passes, then I would call your motion out of order because it was already debated and discussed. Whereas if it comes in the form of an amendment, it could die for lack of a second or it could be an immediate call. The question is debatable.

N. DECLARIS - May I continue then in that case

--May we read the motion

E. TZANAKOU - "I move that we recommend that IEEE Headquarters fully pursue and refer to the technical activities board any alleged irregularities in the 1989 IEEE/INNS joint conference on neural networks."

C. ROBINSON - Rather than the IEEE, the motion could say a sub



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committee of this body be appointed.

N. DECLARIS - I would then like to ask for "a sub committee of this body be created that would work with me to receive a final report of the financial accounts for IJCNN 89 because there are accounts and funds that I don't have knowledge of to this day. So the committee could work with me to get the accounts and the finances of that committee clear. This should take place in the next 30 days."

C. ROBINSON- However, I need a second or it dies.

E. TZANAKOU - Can we read it again. "A subcommittee of this body is formed and works with Dr. DeClaris to complete the financial statement regarding the IJCNN 89 finances within 30 days."

C.ROBINSON - Do I hear a second. Again, I will ask, do I hear a second. SECOND. This amendment is open to discussion. Everybody will have 2 shots at discussing it. Marks and Russ, and I don't know your names but if you put your hand up I will note your position.

B. MARKS - Two comments, I don't think this second study is necessary, we have all the financial records from the banks, from Cooper and Lybrand who has given an oral report. I believe this amendment which has been discussed and second, we should get this situation out of this body....

R. EBERHART - I am against the amendment. It is the position of myself and IEEE headquarters ....a lot of conversations....that Dr. DeClaris was aware of all these accounts. In fact we were the ones who were not aware of the existance or location..The one referred to in San Diego is a deposit only account, you can put money in, but not take it out, and months and months went by and



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I think we should get it out of this body.

P.SIMPSON - I would just like to speak on behalf of...

C.ROBINSON - Are you for or against..

P.SIMPSON - Against the amendment. The original amendment as stated in no way condemns anybody, it just says if anything bad happened, and we have enough information for the audit now, is for Professor DeClaris, if he choses, to provide the information to this 3rd party and they will complete the audit and based on the outcome go forward. In no way are we saying this is what's going to happen. It just gives us a tool.

C. ROBINSON- Is anyone speaking for the amendment.

N. DECLARIS - Let me say, it is clear here that a number of people have kept me in the dark. I did not know and nobody contacted me about this type of information. We have detailed records which I have here; budget spread sheets which show exactly what we have, but no one contacted me about this. He is the Treasurer, and Bob Marks has not spoken to me since January about this issue. In January when we met he was told he would contact you about who will do the audit and you will receive a letter. So, I speak for this motion because I don't want a confrontation. I will have to turn this into a legal (matter.)

P.SIMPSON - In response, I have intentionally not returned any phone calls and my intention as Neural Networks Treasurer was to allow the audit to happen without me intervening and leave it as "third party" as possible. I think in all fairness that is the best way to handle this.

B. MARKS - The reason you weren't contacted is because the final



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audit was due in September as IEEE policy requires -- its 120 days. Wait-its been 6 months, and not having received the final audit I requested the IEEE send a letter to Nick and I would handle the final requirements. Thats my response, I think you will find the minutes very clearly stated that the audit will be done by Cooper and Lybrand. Also, I would like to submit for attachement to the minutes, with the Chairman's permission, the latest letter from Russ Eberhart requesting again that you please comply with the audit (Attachment III).

B.NEWCOMB - I don't understand why the audit itself doesn't take care of all this. There is an audit going on as I understand it. Why do we even need any motions? The audit should take care of it The IEEE headquarters will come back and tell us if something is wrong. Keep us out of the loop. We shouldn't have anything...

C.ROBINSON - Point of Clarification. I would like the President, Why is this audit ....(or the Treasurer)?

P. SIMPSON - The reason is the lack of participation (March was 3 months ago) and that raises red flags.

B.NEWCOMB - We can be through legal things that take years. The audit will take care of all of that. As individuals, we shouldn't be involved in this.

P.SIMPSON - The point I am making is that the auditors couldn't do the audit because of a lack of communication.

B.NEWCOMB - Well, we can't make anybody do anything if IEEE or the auditors can't. If this is to force someone to do something we are in no position to do that. IEEE headquarters maybe, the auditors or the courts. But not us, why try to make us lawyers?

C.ROBINSON - If I can reflect back, and have the Secretary look



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at it, the statement was made that the IEEE wanted a strong statement from this council to continue with the audit.

B.NEWCOMB - I feel they have full rights to do it on their own. They don't need us to do it.

C.ROBINSON - (To R. Eberhart) Clarify that.

R.EBERHART - Well in conversations I had with Mel Olken and Irv Engelson it was stated that in order to pursue this they require the Council involved direct them to do it. The don't just do it with a phone call. They must have a recommendation from the society or council to pursue such a matter.

N.DECLARIS - I was also in contact with headquarters. In November, I was advised that there were money belonging to the conference from the sales of the Proceedings. That money never came to me. I have not received the funds that came from the records of the sales of the Proceedings.

C.ROBINSON - Alright now, this is going to be your last time to talk.

B.NEWCOMB - It seems to me that it is a legal matter at this point and legal things don't need assumptions. But I don't want to get involved, and I dont want to vote yea or nay on any such motion because it puts me in the courts and I don't want to be in the courts.

Call the question.

C. ROBINSON - That's not debatable. We are voting on whether to vote on the motion. It takes a 2/3 vote. [passed] We now are voting on the amendment by DeClaris. Will the secretary please read the amendment.



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E.TZANAKOU - Dr. DeClaris suggested that "a sub committee of this body is formed and work with him to complete the financial statement for the 1989 conference within 30 days."

B. MARKS - May I request a secret ballot?

C. ROBINSON- Point of privilege

B. MARKS - Point of Order. Appoint 2 tellers. [who were the tellers?] Dr. Lau and the gentleman next to him. (Dr. R. Nutter)

C.ROBINSON - I will ask...the gentlemen next to you to count the ballots. Use the Mariott stationery please. I am assuming that I do not vote. Everyone should use the white Mariott paper. (Moderator counts who can vote, total 18.) Mark your ballots. If you vote proxy mark 2 ballots. This is for the amendment. Please vote yes or no or abstain.

B. MARKS - If you vote NO, we return to the original motion and its amendment.

N. DECLARIS - If you vote yes, you are voting for the amendment, to collect information needed to do the proper report.

C.ROBINSON - 18 ballots need to be cast. If I do not count 18 we will revote. OK, Please count. We have 12 voted no, 2 yes and 4 abstain. The amendment is defeated.

E.TZANAKOU - How many abstentions? (reply 4)

C.ROBINSON - Is there anyone who has not spoken towards or against the original amendment and would like to do so?

D. BROWN - Yes, I agree with Bob (Newcomb) and _____, but I still don't see why we had to have this separate motion, it seems to me that if the audit is ongoing, which I understand it is, then won't we get the results from the audit, and if there is a problem with cooperation I'm not sure that our discussing this



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motion is going to enhance the cooperation of the parties involved. I think its important to do exactly what you said - to move it from this council - there is nothing to do at this point but wait for the outcome of the audit. I still think your (unspecified reference) question is unanswered. Maybe if the IEEE wants us to do something it should be more than a phone conversation. Maybe they should write us a letter and say "this is what we want you as a council to do."

C.ROBINSON - I think I could answer that. The IEEE has tremendous resources that it can bring to bear and it has to be specifically requested. And I think what I gather from the sense of this is that they would be willing to bring those resources to bear on this matter in addition to or in conjunction with the audit. But they need the direction of this council to do so.

D.BROWN - So they are going to bring something besides the Coopers and Lybrand audit. What are these resources besides the auditors?

H.RAUCH - I concur with Bob's sentiment for a entirely different reason. As worded it is somewhat hypothetical. Suppose something really happened here, but we shouldn't be asked to presume about something that we aren't able. We have entered into the record now a certain set of facts, but what we haven't seen here is the conclusion of what I hope is a confident assessment of the situation. It is enough hypothetical to make me worry about it.

C.ROBINSON - What are the implications if this motion did not go forward? Mr. President.

B.MARKS - First of all if the audit report did come back with



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sensitive matters then ....(can't hear him at all). If indeed there are charges associated with the audit, then there are lots of consequences.

--Anyone else...

B.DICKINSON -I have a question, is the motion as stated asking the IEEE, then, to do as you said. I thought the motion as stated was asking the IEEE to report back to us so it would come back to us.

C.ROBINSON - Please read the motion

E.TZANAKOU - The motion reads, "I move that we recommend that IEEE headquarters fully pursue and refer to the technical activities board (not to us) any alleged irregularites on the 1989 IEEE/INNS international joint conference on neural networks."

DR. LAU - I have an observation and also a comment. I sense that the strategy of this council is to look into the matter itself and that the purpose of this motion is to bring the matter to the attention of someone higher than this body. Essentially because of the problems involved, the strategies of the councils... If the consensus is that problems are involved, then the Council can investigate the outcome. Since the financial chair is involved, then an impartial person (also given the time lapse involved) then a higher body should be involved.

Unknown Speaker - Can I speak again? [NO] Then, this is one reason I object to the way this is being done.

C. ROBINSON - One of the reasons we are doing it this way is because it has developed into a position that is not the way to run an Ad Com meeting. I am assuming this role because I know a fair amount about parliamentary procedures but if it were me I



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would try to come to a better set of words. I would suggest a 5 minute recess and get together to choose two better words than "alleged irregularities." We will return at 11:45 it is now 11:39 - Is this the last bit of business.

--Surely you jest!

B.MARKS - Yes it it.

C. ROBINSON - A point of priviledge - some people asked for a secret ballot. Same people will count the votes.

C.ROBINSON - The Chair rules - please remember a yes vote is in favor of the motion, a no vote is against the motion, abstains should be noted.

_____ - Check the number of people voting

_____- Count - 17 total

E.TZANAKOU - Proxies, this one gets 2 votes.

C.ROBINSON - The Chair will rule that regardless of the outcome of this vote, this matter was discussed. No other motions relevant to this matter can be made at this particular meeting because all perturbations, combinations and other sets of this have been considered. I will graciously yield the floor back to the original keeper of the keys.

GAVEL TURNED BACK TO R. MARKS

B.MARKS - I will request that what has happened here be kept in confidence. I think it is appropriate.

R.ROBINSON - I would like to make a quick motion that these tapes be stenographed. If this requires a fee.....

E. TZANAKOU - We have that...

B. MARKS - Is there a 2nd to the motion?



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C. ROBINSON - She (Tzanakou) could just do it as a matter of course.

N. DECLARIS - I would like to make a statement. I would like to go on the record to say that if any member of this council would be interested, they would be welcome to see me in person or receive a copy of the financial information that I have in this packet. Moreover, I have no problem if this is discussed.

P. SIMPSON - I'm sorry, you said that I could get a copy of the finance records for the conference.

N. DECLARIS No, I said you could get a financial statement if you ask me.

P. SIMPSON - I would like to request a copy of your financial statement. I should also like to re-request that you provide as much information as possible to the audit firm.

N. DECLARIS - But if I go to the auditors, and I am not received by the auditors....

------ - Hold it. Point of Order. I think this is continuing on.

C. ROBINSON - OK, lets go on.

_____ - Results of the vote. 17 yes and 1 no.

C. ROBINSON - Clarification. (To B. Marks) You are asking us to keep this in confidence.

R. MARKS - Yes, that would be my request. Even though Dr. DeClaris mentioned it is not important to him.

C. ROBINSON - But it is an executive session.

B. MARKS - Yes, it is an executive session. May I assume we are now out of executive session.

C. ROBINSON - You just have to declare it.

R. MARKS - We are now out of executive session.



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E. TZANAKOU - One clarification please. You (B. MARKS) requested that this matter be kept in confidence, but that was not important to Dr. DeClaris which means you don't care actually.

C. ROBINSON - I still feel that this is a sensitive matter which we should keep confidential.

R. EBERHART - All Executive Committee's are confidential.

N. DECLARIS - Any person in this committee who would like to contact me, I will give them any details they want including seeing the records but I am not departing from the records until my legal council says so. Is that clear?

E. TZANAKOU - Pat requested that he have a copy of the financial statements.

P. SIMPSON - Any financial information that you have Nick, I can request it but you don't have to give it to me.

N. DECLARIS - If you will call me tomorrow...

R. MARKS - Point of order- Let's move on. We have some items of new business.



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Attachment I

IJCNN 89
INTERNATIONAL
JOINT CONFERENCE
ON NEURAL NETWORKS
3770 Tansy Street
San Diego, CA 92121
TEL. (619) 453-6222 FAX: (619) 453-7930

*Sponsored by the IEEE Neural Network Committee and the International Neural Network Society*

June 22, 1989

Dr. Robert Marks, Chairman
IEEE Neural Networks Committee
Washington Sheraton Hotel
Washington, D. C.

Dear Dr. Marks,

We are writing to inform you of the status of the 1989 IJCNN. We have been informed that the official organizational structure is partitioned into the financial and non-financial elements. The non-financial elements consist of the generation of a budget and the logistical functioning of the conference. Since these non-financial elements were completed as of June 22, 1989, and since we have no responsibility whatsoever for the financial aspects (in particular, the closing of the books and the final audit), we have discharged our obligation to the conference.

We thank you for the opportunity to have been of service to the neural network community.

Very truly yours,

Al Stubberud Wes Snyder

cc: Russ Eberhart
Troy Nagle



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ATTACHMENT II

IEEE

**NEURAL NETWORKS**

Robert J. Marks II, Chairman
*IEEE Neural Networks Committee*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

10-19-98

Dr. Nicholas DeClaris
8518 Beauford Drive
Fulton, MD 20759
FAX:(301) 328-8013

Dear Nick:

The checks you recently mailed to me have been forwarded to the INNS and the NNC - as appropriate. I have also adhered to your request to forward to Jean McClausland the check for her fee.

The officers of the NNC and Dr. Bernard Widrow, President of the INNS, have agreed on a procedure for the auditing of the 1989 IJCNN. Details of this procedure are in the documents enclosed.

Thank you for your call today updating me on the progress of your committee's audit of the conference. The additional delay in the submission of your report is unfortunate.

I request that any suggestions you have for improving financial procedures of future conferences be submitted to Bob Newcomb, Chair of the *IJCNN Oversight Committee* (IOC), for possible consideration by the IOC. Any improprieties concerning the conference of which you are aware should, of course, be documented in your report and communicated to *Coopers & Lybrand* during their audit of the conference.

Sincerely,

Robert J. Marks II, Chair
IEEE Neural Networks Committee

cc: Dr. Irv Engleson, IEEE

There are three pages in this FAX transmission. Originals are being sent by surface mail.

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

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IEEE

**NEURAL NETWORKS**

Robert J. Marks II, Chairman
*IEEE Neural Networks Committee (NNC)*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

10-17-89

Prof. Bernard Widrow, President
*International Neural Network Society*
Department of Electrical Engineering, Stanford University
Stanford, CA 94305

Dear Bernie:

I am delighted to enclose a check for $97,000 made to the INNS from this summer's IJCNN. As I discussed with you on the phone, the check is not signed by the required two signatures. Prof. DeClaris has offered to sign the check once it reaches the Maryland bank. I have, however, no objection to your requesting that Dr. Irv Engleson at IEEE headquarters be the second signiture. For your information, his address is

Dr. Irving Engelson
IEEE Service Center
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3850 (O)
FAX: (201) 562-1571

I also propose the following for handling those issues that remain concerning the conference:

- Dr. Engleson initiate an audit of the 1989 *International Joint Conference on Neural Networks* using the accounting firm of *Coopers and Lybrand*. The Officers of the NNC have appoved this action.
- The fee for the audit be taken from the surplus of the conference.
- Maureen Caudill will represent the INNS in the audit to what ever extent appropriate and the NNC will be represented by Russ Eberhart, NNC Treasurer.
- The INNS and NNC will retain a total of $60,000 each from the surplus thusfar returned. The remainder of the surplus will be placed in an account for the purpose of paying any outstanding conference expenses. The details of the account location and management are delegated to Maureen Caudill and Russ Eberhart.
- At the end of the audit by *Coopers and Lybrand*, any remaining balance in the conference account will be divided equally between the NNC and the INNS. The account will be closed no later than December 22, 1989.

Sincerely,

Robert J. Marks II, Chair 10/17/89
IEEE Neural Networks Committee

I have received check #298 for $97,000 from the *International Joint Neural Network Conference* account at the Equitable Bank in Baltimore, Maryland made to *International Neural Networks Society* and signed by Jean McClausland only. Furthermore, I hereby approve the procedure described above for the handling of the financial matters of the IJCNN.

10/17/89
date

B. Widrow
Bernard Widrow, President
*International Neural Networks Society*

cc: Prof. DeClaris, Irv Engleson, Russ Eberhart, Maureen Caudill



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**NEURAL NETWORKS**

Robert J. Marks II, Chairman
*IEEE Neural Networks Committee*
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Messages (206) 543-2150: Home (206) 776-8995
marks@blake.acs.washington.edu

10-19-89

Dr. Irving Engelson
IEEE Service Center
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
(201) 562-3850 (O)

Dear Irv:

I have received three checks from Nick DeClaris from the surplus of the *1989 International Conference on Neural Networks* (IJCNN):

| # | amount | bank | payable to: |
|---|---|---|---|
| 1 | $15,882.43 | San Diego | NNC |
| 2 | $78,117.57 | Baltimore | NNC |
| 3 | $97,000.00 | Baltimore | INNS |

where NNC is the *IEEE Neural Networks Committee* and INNS, the *International Neural Networks Society*, is the co-sponsor of the IJCNN. The INNS is to receive 50% of the conference surplus.

Checks #1 and 2 were sent to Mel Olken for deposit in the NNC account at IEEE. Check #3 was not signed by the required two conference officers. Dr. DeClaris has contacted the Maryland Bank and has offered to sign the check when it arrives there. As you can see in the attached letter to Bernard Widrow, INNS President, the INNS prefers that you provide the second signature.

I request that you initiate an audit of the subject conference using the firm of *Coopers and Lybrand*. This request has been approved by the officers of the NNC (Russ Eberhart, Treasurer and Prof. Evangelia Tzanakou, Treasurer). Dr. Widrow has also approved this procedure.

Sincerely,

Robert J. Marks II, Chair
IEEE Neural Networks Committee

cc: Prof. N. DeClaris, IJCNN
Dr. Russ Eberhart, NNC Treasurer
Prof. E. Tzanakou, NNC Secretary
Ms. Laura Jobmann, IEEE Conference Services
Dr. Mel Olken, IEEE
Prof. R.W. Newcomb, IOC Chair



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ATTACHMENT III

# IEEE NEURAL NETWORKS COUNCIL

**Russell C. Eberhart, Ph.D.**
**Vice President**
Telephone: 301-953-5037
Fax: 301-953-1093
E-mail: rce1@aplvm.bitnet

*Please reply to:*
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20707 U.S.A.

March 20, 1990

Dr. Nicholas DeClaris
8518 Beauford Drive
Fulton, MD 20759

Dear Dr. DeClaris:

The IEEE Neural Networks Council (NNC) has retained the firm of Coopers & Lybrand (C&L) to conduct the required audit of the 1989 International Joint Conference on Neural Networks, held in Washington, D. C., for which you were Finance Chairman. The audit will be done by the San Diego office of C&L. The NNC recognizes the significant conference-related work you have already done, and will appreciate your full cooperation with the audit.

Very truly yours,

Russ Eberhart

Russell C. Eberhart

cc:RJMarks, II

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DAVID R. BRZEZNIAK, CPA
DANIEL P. SCHREIBER, CPA

7777 FAY AVENUE, SUITE 100
LA JOLLA, CALIFORNIA 92037
(619) 454-0188
FAX (619) 454-1964

March 8, 1990

Nicholas de Claris, M.D.
School of Medicine
University of Maryland
Howard Hall
660 W. Redwood Street
Baltimore, MD 21201

Dear Dr. de Claris:

Coopers & Lybrand has been retained by the Institute of Electrical and Electronic Engineers, Inc. to perform an audit of the IJCNN 1989 conference. A copy of that engagement letter is attached. I will be in charge of the fieldwork and, therefore, your contact, should you have questions regarding the audit. Thank you for your assistance with this audit.

In that regard, would you please forward the following records for that conference to my attention at the following address.

Jassoy, Graff & Douglas
Certified Public Accountants
7777 Fay Avenue, Suite 100
La Jolla, CA 92037

I understand the records you have include invoices for speakers expenses, check books and bank statements for both checking and saving. Due to the nature of these items, please send them via Federal Express or a comparable carrier to ensure their safe arrival, as soon as possible.

Sincerely,

Pat Sbarbaro

Patricia A. Sbarbaro

PAS:cc

Enclosure

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Coopers &Lybrand

...lied public accountants

401 West A Street
San Diego, California 92101

telephone (619) 232-8000

in principal areas of the world

February 13, 1990

Institute of Electrical and
Electronics Engineers, Inc.
c/o Mr. Russ Eberhart
6770 Halfcrown Court
Columbia, Maryland 21044

Dear Mr. Eberhart:

This letter confirms the nature and scope of our engagement to audit the statement of revenue and expenses of the Institute of Electrical and Electronics Engineers, Inc.'s International Joint Conference on Neural Networks held in June 1989. The statement will be prepared on a cash basis and will not be intended to present results in conformity with generally accepted accounting principles.

Our audit of your statement of revenue and expenses will be made in accordance with generally accepted auditing standards and will include such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. The objective of such an examination is the expression of our opinion on whether the statement presents fairly the results of operations on a cash basis.

Additionally, we will examine the allocation of revenue and expenses of the Conference between the Conference and the tutorial program. We will also examine the allocation of revenue and expense between the participating organizations based on provisions contained within Conference contracts.

As a part of our audit, we will consider the Institute's internal control structure, as required by generally accepted auditing standards, for the purpose of establishing a basis for determining the nature, timing, and extent of auditing procedures necessary for expressing our opinion concerning the financial statements.

Our audit will include procedures designed to provide reasonable assurance of detecting errors and irregularities that are material to the financial statements. However, as you are aware, there are inherent limitations in the auditing process. For example, audits are based on the concept of selective testing of the data being examined and are, therefore, subject to the limitation that such matters, if they exist, may not be detected. Also, because of the characteristics of irregularities, including attempts at concealment through collusion and forgery, a properly designed and executed audit may not detect a material irregularity.

CPA has signed engagement letter -
Signed by Russ Eberhart for IEEE

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Similarly, in performing our audit we will be aware of the possibility that illegal acts may have occurred. However, it should be recognized that our audit provides no assurance that illegal acts generally will be detected, and only reasonable assurance that illegal acts having a direct and material effect on the determination of financial statement amounts will be detected. We will inform you with respect to illegal acts or material errors and irregularities that come to our attention during the course of our audit.

You recognize that the financial statements and the establishment and maintenance of an internal control structure are the responsibility of management. Appropriate supervisory review procedures are necessary to provide reasonable assurance that adopted policies and prescribed procedures are adhered to and to identify errors and irregularities or illegal acts. As part of our aforementioned consideration of the Institute's internal control structure, we will inform you of matters that come to our attention that represent significant deficiencies in the design or operation of the internal control structure.

Generally accepted auditing standards require that we communicate certain additional matters to you or, alternatively, assure ourselves that management has appropriately made you aware of those matters. Such matters specifically include (1) the initial selection of and changes in significant accounting policies and their application; (2) the process used by management in formulating particularly sensitive accounting estimates and the basis for our conclusions regarding the reasonableness of those estimates; (3) audit adjustments that could, in our judgment, either individually or in the aggregate, have a significant effect on your financial reporting process; (4) any disagreements with management, whether or not satisfactorily resolved, about matters that individually or in the aggregate could be significant to the financial statements or our report; (5) our views about matters that were the subject of management's consultation with other accountants about auditing and accounting matters; (6) major issues that were discussed with management in connection with the retention of our services, including, among other matters, any discussions regarding the application of accounting principles and auditing standards; and (7) serious difficulties that we encountered in dealing with management related to the performance of the audit.

Our fee for the audit will be $7,000 to $8,000, plus out-of-pocket expenses. We anticipate completing the engagement by March 1, 1990 unless unexpected factors are encountered.

If you concur with the foregoing arrangements, please indicate by signing in the space provided on the attached copy of this letter and return it to us in the enclosed self-addressed envelope.

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If you have any questions regarding the arrangements, please do not hesitate to contact Mr. G. Steve Hamm or Ms. Pat Sbarbaro. We appreciate the opportunity to serve Institute of Electrical and Electronics Engineers, Inc. and assure you of our sincere interest in continuing our professional relationship with your Company.

Very truly yours,

GSH:PAS:cls
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FRANCINE N. MEYER, CPA

7777 FAY AVENUE, SUITE 100
LA JOLLA, CALIFORNIA 92037
(619) 454-3188
FAX (619) 454-3564

February 20, 1991

Mr. Patrick K. Simpson
Treasurer
IEEE Neural Networks Council
17436 Ashburton Road
San Diego, CA 92128

Dear Pat:

In response to your request, outlined below is the chain of events relating to our engagement to perform the audit of the Third Annual International Joint Conference on Neural Networks held June 18 through 22, 1989.

- Coopers & Lybrand was retained on February 13, 1990 by Russ Eberhart to audit the conference. I was the audit manager responsible for the past audits of IEEE conferences and the person who dealt directly with Mr. Eberhart on this engagement. Upon my resignation from Coopers & Lybrand in February 1990, the partner on the engagement requested that I continue to handle this audit for Coopers & Lybrand with the understanding that they would review the workpapers and issue the report.

  Mr. Eberhart instructed us to contact Dr. DeClaris, Treasurer of the Conference and Meeting Management, the Company retained by IEEE to coordinate the conference, to obtain the records to be audited. The attached letter, dated March 8, 1990, requested the applicable records from Dr. DeClaris. He responded by telephone that he would need time to organize the information and, due to his schedule, this was an inopportune time. He indicated it would take a few weeks.

- As requested by Dr. DeClaris by phone on May 31, 1990, Jassoy, Graff & Douglas again requested documents from Dr. DeClaris by telecopier. A copy of the telecopier transmittal is also attached.

- During the course of the two month period, March through June, I was in contact with you and Mr. Eberhart to determine what steps I should take to effect the audit. I was informed that we could obtain the cancelled checks and bank statements directly from the respective banks. Meeting Management had copies of the invoices. With the combination we were able to complete the audit.

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JASSOY, GRAFF & DOUGLAS
CERTIFIED PUBLIC ACCOUNTANTS



- Dr. DeClaris volunteered by telephone that it appeared to be better if he brought the records we requested on June 1, 1990 in person and meet with me in San Diego on June 18 and/or June 19. I was scheduled to be out of town both of those days. On June 24, 1990 he corresponded by letter (attached) and sent copies of the materials that he would have personally given to me.

We proceeded with the audit during the month of May using the documents obtained from the banks and those retained by Meeting Management. We did compare the information sent to us by Dr. DeClaris to our work to ensure that we had classified the information correctly.

Jassoy, Graff & Douglas completed their portion of the work on August 3, 1990 and forwarded the workpapers to Coopers & Lybrand for their final review. The final report was issued by Coopers & Lybrand on December 19, 1990.

I hope this provides the information you need.

Sincerely,

Pat

Patricia A. Sbarbaro
Audit Manager

PAS:ec

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Date Prepared 5/31/90
Prepared by
a) C & L RW
b) Client and
Examined by
Reviewed by
C & L SR/SUP

IEEE/IJCNN
Phone conversations
Activity Relating to June 19-22, 1989 IJCNN

5/31/90 Per DW Dr Declaris, he indicated that he will send what we need to finish the audit. However, he would like us to send him a fax of the items we would to have.

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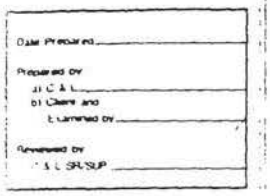


Nick Declaris -

FAX (301) - 328 - 8013

1) FAX A LIST OF DOCUMENTS WE HAVE AND WHAT WE NEED TO FINISH.

2) A/C # OF OPERATING A/C.

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MESSAGE CONFIRMATION JUN-01-'90 09:19

TRANSMIT RECORD

TERM ID: JASSOY GRAFF DOUGLAS
TEL NO: 6194543564

| NO. | DATE | ST. TIME | TOTAL TIME | #PGS | I D | ABB. NO | DEPT. CODE |
|---|---|---|---|---|---|---|---|
| 863 | 06-01 | 09:16 | 00°02'12 | OK- 3 NG- 0 | (301) 328-8013 | | |

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JGD JASSOY, GRAFF & DOUGLAS
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PARTNERS
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7777 FAY AVENUE, SUITE 100
LA JOLLA, CALIFORNIA 92037
(619) 454-3188
FAX (619) 454-3564
FAX (619) 454-3564

# TELECOPIER TRANSMITTAL LETTER

PLEASE DELIVER THE FOLLOWING MATERIAL AS SOON AS POSSIBLE

DATE: 6/1/90

TO: DR. Declaris

COMPANY:

PROJECT: '89 IJCNN Audit

FAX #: (301) 328-8013

PHONE #:

FROM: RAY Wood

NUMBER OF PAGES (INCLUDING COVER SHEET): 3

PLEASE CALL US IMMEDIATELY IF ALL PAGES ARE NOT RECEIVED PROPERLY. OUR PHONE NUMBER IS (619) 454-3188.

MESSAGE: Please send the Information we need via overnight delivery as soon as you get it together. Thank you.

CLIENT # _____

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Date Prepared 5/31/90
Prepared by
a) C & L ZW
b) Client and
Examined by
Reviewed by
C & L SR/SUP

1 of 2

DR. Declaris,

The Following Are Items that we have obtained From Nomi Feldman;

- Calif. 1st From 11/89 - 12/89
  A/c # 0561175654 - operating A/c

- Calif. 1st From 3/89 - 9/89
  A/c # 0560000170 - Depository A/c.

- Disbursement Journal 10/19/88 - 11/20/89

- Orginal Invoices paid by the operating A/c.

- Invoices From Sheraton Washington Hotel and Speaker Expenses - Travel Reimbursements.

The Following Are Items that we Need to complete our Engagement;

- All Bank Statements and cancelled

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we have obtained From Nomi Feldman;

- Calif. 1st From 11/89 - 12/89
  A/c # 0561175654 - operating A/c

- Calif 1st From 3/89 - 9/89
  A/c # 0560000170 - Depository A/c.

- Disbursement Journal 10/19/88 - 11/20/89

- Orginal Invoices paid by the operating A/c.

- Invoices From Sheraton Washington Hotel and Speaker Expenses - Travel Reimbursements.

The Following are Items that we Need to complete our Engagement;

- All Bank Statements and cancelled checks For the checking A/c that you maintained

cont'd

55-800
55-801 7-HOLE PUNCHED

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CONT'D

- All invoices that you have relating to the '89 IJCNN.

- Any unpaid invoices that relate to the '89 IJCNN.

- Your worksheet of cash disbursements for the IJCNN '89.

If you have any questions, please give me a call.

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IEEE

SYSTEMS, MAN, AND CYBERNETICS SOCIETY

PLEASE REPLY TO

Ms Patricia A. Sbarbaro
Jassoy, Graff and Douglas
Certified public Accountants
777 Fay Avenue, Suite 100
La Jolla, California 92037

June 24, 1990

Dear Pat:

Sorry I missed your telephone call on Friday. I return the call but missed you again. After another unsuccessful try, I thought best to drop you this note and enclose some information which may prove useful with your assignment.

On June 1, 1990 I received a FAX from your partner Ray Wood, updating me as to the state of the audit and requesting three items that I would assist you with the audit. As told you over the phone then it appeared to me better if I brought them in person and met with you in San Diego on June 18 and/or June 19.

When I got in San Diego your office advised me that you had to go out of town and that you will be returning on June 20th. As I had other commitments, I could not change my travel plans and had to leave on that day. I regret I did not get to meet with you and to give you the material I had brought with me:

1) A copy of the IJCNN89 Finance-Flow

2) A copy of the IJCNN 1989 Washington Operating Budget

3) A copy of the IJCNN 1989, Washington Account - Cash Dispersement

4)Two notebooks of original invoices paid by the Washington Account

Enclosed please find the first three items. At this time, I am reluctant to separate from the last item. Too, I need help to prepare a Final Financial Report for the IJCNN89, and I lack financial information that at this point only you have. If it is possible for you to visit this area please let me know and I shall make every effort to accommodate your schedule. Otherwise there is a possibility for me to come to San Diego during the third week in July.

Sincerely,

Nicholas DeClaris

Enclosures (3)

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| | 101 | Void | | | 25000.00 | | 25000.00 |
| 1/26 | 102 | Meeting Management | 3 | Ia1,Ia2,Ia3,IIIa1,IIIa2 | | 3650.56 | 21349.44 |
| | 103 | IEEE IJCNN 89 - San Diego | 1a | Ib3 | | 10200.00 | 11149.44 |
| | 104 | Meeting Management | Advance | IIa2 | | 2000.00 | 9149.44 |
| | 105 | Ingrid Kramer | 24a | Xb4 | | 482.00 | 8667.44 |
| | | | | | 16000.00 | | 24667.44 |
| 3/16 | 106 | IEEE | 1 | IIIa1 | | 694.16 | 23973.28 |
| 3/16 | 107 | Modern Printing and Mailing | 2 | Ib2, Ib3,Ib4 | | 1310.27 | 22663.01 |
| 3/16 | 108 | Meeting Management | 5 | IIIa2 | | 765.00 | 21898.01 |
| 3/16 | 109 | Modern Printing and Mailing | 4 | Ib3,IB4 | | 775.74 | 21122.27 |
| 3/16 | 110 | AA for AI | 4 | Ib1 | | 1259.40 | 19862.87 |
| 3/16 | 111 | Designs | 6 | Ic2 | | 1860.46 | 18002.41 |
| 4/7 | 112 | Wes Synder | 25A | Xb4 | | 446.03 | 17556.38 |
| | 113 | Meeting Management | 2 | XIb3 | | 620.00 | 16936.38 |
| | 114 | Modern Printing and Mailing | 10 | Ib2,Ib3,Ib4 | | 7664.68 | 9271.70 |
| | 115 | PDQ Printers | 8,9 | IXa,IIa2,IIa1 | | 434.09 | 8837.61 |
| 4/11 | 116 | Jacob and Assoc | 11 | Ic1 | | 450.50 | 8387.11 |
| 4/11 | 117 | Meeting Management | 16 | IIIa6 | | 980.00 | 7407.11 |
| 4/12 | | | | | 8000.00 | | 15407.11 |
| | 118 | void | | | | | 15407.11 |
| 4/19 | 119 | IEEE Inc | 17 | Ib1 | | 3757.51 | 11649.60 |
| 4/19 | 120 | PDQ Printers | 18 | IIa1 | | 177.83 | 11471.77 |
| 4/19 | 121 | IEEE | 19 | Id | | 600.00 | 10871.77 |
| 4/19 | | | | | 8000.00 | | 18871.77 |
| 4/20 | 122 | N. DeClaris | 25b | Xb10 | | 922.42 | 17949.35 |
| | 123 | void | | | | | 17949.35 |
| | 124 | void | | | | | 17949.35 |
| | 125 | void | | | | | 17949.35 |
| 4/23 | 126 | Meeting Management | 5a | IIa1 | | 193.67 | 17755.68 |
| 5/2 | | | | | 30000.00 | | 47755.68 |
| 5/6 | 127 | IEEE, Fed ID 13-1656633N | 19 | Id | | 375.00 | 47380.68 |
| 5/8 | 128 | IEEE, IJCNN '89 | 15 | Advance &IIIa2 | | 4292.64 | 43088.04 |

Agreed class [illegible] This sets up [illegible] and [illegible] Declaris





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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| 5/10 | 129 | VOID (IEEE) | 25 | | | 0.00 | 43088.04 |
| 5/10 | 130 | void | | | | | 43088.04 |
| 5/10 | 131 | AAAI | 21 | Id | | 1566.25 | 41521.79 |
| 5/10 | 132 | SOS Printing | 20a | IVb | | 23000.00 | 18521.79 |
| 5/15 | 133 | Void | | | | | 18521.79 |
| 5/15 | 134 | Meeting Management | 26 | Va1, Va3, Ve, Vj, Vk | | 7100.00 | 11421.79 |
| 5/15 | 135 | Carol Bonomo | 12 | Xa | | 400.00 | 11021.79 |
| 5/15 | 136 | PDQ Printers | 27 | IIa1 | | 92.07 | 10929.72 |
| 5/15 | 137 | Void | | | | | 10929.72 |
| 5/15 | 138 | Personal Touch West | 32 | Va2 | | 4100.00 | 6829.72 |
| 5/15 | 276 | Wes Snyder | | Xb4 | | 797.92 | 6031.80 |
| 5/24 | 277 | Laurel Printing | | IIf | | 7.45 | 6024.35 |
| 5/24 | 278 | Postmaster Laurel | | IIf | | 70.50 | 5953.85 |
| 5/19 | | | | | 9000.00 | | 14953.85 |
| 5/24 | 279 | C&P Telephone | | IIf | | 115.62 | 14838.23 |
| 5/30 | 139 | Meeting Management | 30 | Adv, Vc1 | | 6600.00 | 8238.23 |
| | 140 | Karen Haines | 14 | VIIIg | | 1350.00 | 6888.23 |
| | 141 | Void | | | | | 6888.23 |
| 6/6 | 142 | Meeting Management | 31 | IIa5 | | 300.00 | 6588.23 |
| 6/6 | 143 | Designs | 35 | IVa2, VIIIa, Va4 | | 3780.52 | 2807.71 |
| 6/8 | | | | | 9000.00 | | 11807.71 |
| 6/12 | 144 | ICNN '89 | 34 | Vd | | 2000.00 | 9807.71 |
| 6/12 | 145 | Void | | | | | 9807.71 |
| | | | | | 100000.00 | | 109807.71 |
| 6/16 | 146 | C&P Telephone | 36a | IId | | 97.27 | 109710.44 |
| 6/20 | 147 | Modern Printing & Mailing | 20 | Ic3, Ic4 | | 250.72 | 109459.72 |
| 6/16 | 148 | Sheraton Washington Hotel | 35a | Hotel | | 37000.00 | 72459.72 |
| 6/18 | 149 | Meeting Management | 29 | IId | | 4000.00 | 68459.72 |
| 6/19 | 150 | SOS Printing | 37 | V4 | | 7020.00 | 61439.72 |
| 6/19 | 151 | SOS Printing | 38 | VIIIa | | 10325.00 | 51114.72 |
| 6/19 | 152 | SOS Printing | 39 | IVb | | 675.00 | 50439.72 |
| 6/19 | 153 | SOS Printing | 40 | IVb | | 23700.00 | 26739.72 |
| 6/19 | 154 | SOS Printing | 41 | IXa | | 2025.00 | 24714.72 |



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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| 6/19 | 155 | SOS Printing | 42 | IVb | | 50.00 | 24664.72 |
| 6/19 | 156 | Personal Touch West | 43 | Va2 | | 4923.06 | 19741.66 |
| 6/21 | 280 | Shumidii Amari | EC2 | XII | | 2471.00 | 17270.66 |
| 6/21 | 281 | T. Eckmiller | EC3 | XII | | 1156.00 | 16114.66 |
| 6/21 | 282 | T. Kohonen | EC1 | XII | | 1140.00 | 14974.66 |
| 6/21 | 283 | K. Fukushima | EC16 | XII | | 1609.47 | 13365.19 |
| 6/22 | 284 | V. Kriosov | EC4 | XII | | 1435.00 | 11930.19 |
| 6/22 | 285 | Meeting Management | 44 | Vc | | 3000.00 | 8930.19 |
| 6/22 | 286 | Allen Stubberud | | Xb3 | | 990.00 | 7940.19 |
| 6/22 | | | | | 20000.00 | | 27940.19 |
| 6/23 | 287 | Sheraton Washington Hotel | | Xb10 | | 1078.46 | 26861.73 |
| 6/23 | | | | | 14410.00 | | 41271.73 |
| 6/26 | | | | | 18236.00 | | 59507.73 |
| 6/20 | 157 | Peter Foldiak | R38 | Refund | | 50.00 | 59457.73 |
| 6/21 | 158 | Geof Yeun | R37 | Refund | | 175.00 | 59282.73 |
| 6/21 | 159 | Ron Sun | R36 | Refund | | 50.00 | 59232.73 |
| 6/21 | 160 | Robert Breyer | R35 | Refund | | 277.00 | 58955.73 |
| 6/22 | 161 | SOS Printing | 44 | Vc | | 1287.00 | 57668.73 |
| 6/30 | 162 | Projection Video Services | 47a | Vb | | 9631.79 | 48036.94 |
| 6/30 | 163 | Projection Video Service | 48A | VIIIb | | 2990.70 | 45046.24 |
| 6/30 | 164 | Projection Video Service | 50A | Vb | | 157.41 | 44888.83 |
| 6/30 | 165 | Projection Video Service | 49A | Vb | | 67.96 | 44820.87 |
| 7/7 | 166 | IEEE | 36 | IIIa1 | | 170.42 | 44650.45 |
| | 167 | Andrews, Bartlett & Assoc Inc | 48 | Vi, IXb | | 7904.73 | 36745.72 |
| 7/3 | | | | | 100000.00 | | 136745.72 |
| 7/18 | 291 | C&P Telephone | | IIf | | 102.28 | 136643.44 |
| 7/21 | | | | | 200000.00 | | 336643.44 |
| 7/14 | 168 | Nabil Farhat | EC5 | XII | | 660.00 | 335983.44 |
| | 169 | Lee A. Riui | R1 | Refund | | 250.00 | 335733.44 |
| | 170 | Carnegie Mellon Univ | R2 | Refund | | 497.00 | 335236.44 |
| | 171 | Roy Williams | R3 | Refund | | 242.00 | 334994.44 |
| | 172 | Raymond Lam | R4 | Refund | | 625.00 | 334369.44 |
| | 173 | Travelers Insurance Co | R5 | Refund | | 572.00 | 333797.44 |



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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| | 174 | Donald Friensen | R6 | Refund | | 194.00 | 333603.44 |
| | 175 | Void | | | | | 333603.44 |
| | 176 | Jeffery F. Nicoll | R7 | Refund | | 372.00 | 333231.44 |
| | 177 | Void | | | | | 333231.44 |
| 7/26 | | | | | 100000.00 | | 433231.44 |
| 7/28 | 178 | Sheraton Washington Hotel | 47 | Hotel | | 64075.20 | 369156.24 |
| 7/31 | 288 | Wes Synder | | Xb4 | | 325.24 | 368831.00 |
| 7/31 | 289 | Carol Bonomo | EC13 | XII | | 188.00 | 368643.00 |
| 7/31 | 290 | Harold Szu | EC17 | XII | | 465.00 | 368178.00 |
| 8/10 | 179 | IEEE | 51A | Return Adv. | | 16000.00 | 352178.00 |
| 8/10 | 180 | IEEE | 51A | Return Adv. | | 25000.00 | 327178.00 |
| 8/17 | 181 | Sheraton Washington Hotel | 47 | Hotel | | 19513.28 | 307664.72 |
| | 182 | void | | | | | 307664.72 |
| | 183 | Brian Lehr | R11 | Refund | | 500.00 | 307164.72 |
| | 184 | Ken Kleinberg | R12 | Refund | | 162.00 | 307002.72 |
| | 185 | Hsi-Lo Liu | R13 | Refund | | 250.00 | 306752.72 |
| 7/15 | 186 | Joseph Antonik | R14 | Refund | | 194.00 | 306558.72 |
| 7/15 | 187 | A. Stein | R15 | Refund | | 122.00 | 306436.72 |
| 9/12 | 188 | Mitre Corp (Eric Braude) | R29 | Refund | | 250.00 | 306186.72 |
| | 189 | Dale Shultz | R16 | Refund | | 412.00 | 305774.72 |
| | 190 | Loral | R18 | Refund | | 194.00 | 305580.72 |
| | 191 | GMI | R21 | Refund | | 319.00 | 305261.72 |
| | 192 | Geoffrey Hinton | R23 | Refund | | 162.00 | 305099.72 |
| 7/15 | 193 | Soo-Young Lee | R27 | Refund | | 250.00 | 304849.72 |
| 7/28 | 194 | Dr. Halbert White | R | Refund | | 530.00 | 304319.72 |
| 7/28 | 195 | Charles Elbaum | EC7 | XII | | 274.15 | 304045.57 |
| 7/28 | 196 | Gail Carpenter | EC8 | XII | | 1289.50 | 302756.07 |
| 7/28 | 197 | Robert Hecht-Nielsen | EC6 | XII | | 150.00 | 302606.07 |
| | 198 | allon Guez | EC9 | XII | | 502.73 | 302103.34 |
| | 199 | Patricia Smith Churchland | EC10 | XII | | 1040.00 | 301063.34 |
| | 200 | Terry Sejnowski | EC11 | XII | | 1220.00 | 299843.34 |
| | 201 | void | | | | | 299843.34 |
| | 202 | void | | | | | 299843.34 |



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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| | 203 | Dr. M Kuperstein | EC12 | XII | | 518.00 | 299325.34 |
| 8/8 | 204 | VOID | | | | 0.00 | 299325.34 |
| 8/8 | 205 | Eiichi Sawaki | R33 | Refund | | 56.00 | 299269.34 |
| 8/14 | 206 | Personal Touch West | 49 | VIb | | 684.34 | 298585.00 |
| 9/12 | 207 | Helge Ritter | EC14 | XII | | 435.00 | 298150.00 |
| | 208 | VOID | | | | | 298150.00 |
| | 209 | VOID | | | | | 298150.00 |
| | 210 | VOID | | | | | 298150.00 |
| | 211 | VOID | | | | | 298150.00 |
| 9/12 | 212 | Harry Goldberg | R34 | Refund | | 145.00 | 298005.00 |
| 9/12 | 213 | APL (Paul Bade) | R17 | Refund | | 535.00 | 297470.00 |
| 9/12 | 214 | Hughes Aircraft | R20 | Refund | | 372.00 | 297098.00 |
| 9/12 | 215 | Void | | | | | 297098.00 |
| 9/12 | 216 | CDI Technologies | R25 | Refund | | 372.00 | 296726.00 |
| 9/12 | 217 | CDI Technologies | R26 | Refund | | 410.00 | 296316.00 |
| 9/12 | 218 | William Morgart | R28 | Refund | | 125.00 | 296191.00 |
| 9/12 | 219 | Walter Peterson | R32 | Refund | | 219.00 | 295972.00 |
| 9/12 | 220 | Leon Cooper | T2 | VIIIa | | 5825.00 | 290147.00 |
| 9/12 | 221 | David Casasent | T1 | VIIIa | | 5050.00 | 285097.00 |
| 9/12 | 222 | John Daugman | T3 | VIIIa | | 4550.00 | 280547.00 |
| 9/12 | 223 | Walter Freeman | T4 | VIIIa | | 4200.00 | 276347.00 |
| 9/12 | 224 | Stephen Grossberg | T5 | VIIIa | | 4862.50 | 271484.50 |
| 9/12 | 225 | Morris Hirsch | T6 | VIIIa | | 4600.00 | 266884.50 |
| 9/12 | 226 | John Hopfield | T7 | VIIIa | | 6312.50 | 260572.00 |
| 9/12 | 227 | Lawence Jackel | T8 | VIIIa | | 4950.00 | 255622.00 |
| 9/12 | 228 | Teuvo Kohonen | T9 | VIIIa | | 5312.50 | 250309.50 |
| 9/12 | 229 | Bart Kosko | T10 | VIIIa | | 4425.00 | 245884.50 |
| 9/12 | 230 | Demetri Psaltis | T11 | VIIIa | | 4000.00 | 241884.50 |
| 9/12 | 231 | Peter Wallace | T12 | VIIIa | | 3637.50 | 238247.00 |
| 9/12 | 232 | Bernard Widrow | T13 | VIIIa | | 4512.50 | 233734.50 |
| 9/12 | 233 | Ronald Williams | T14 | VIIIa | | 4262.50 | 229472.00 |
| 9/25 | 292 | C&P Telephone | | IIf | | 88.62 | 229383.38 |
| 10/5 | 244 | SOS PRINTING | 53 | IVb | | 9856.08 | 219527.30 |



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IJCNN 1989, Washington Account - Cash Dispersement

| Date | Check # | To | Invoice # | Operating Budget | Deposit | Withdraw | Balance |
|---|---|---|---|---|---|---|---|
| 10/5 | 293 | Hecht-Nielsen | | Xa | | 426.64 | 219100.66 |
| 12/19-1/19 | | Interest | | | 29.80 | | 219130.46 |
| 1/19-2/16 | | Interest | | | 72.50 | | 219202.96 |
| 2/16-3/16 | | Interest | | | 94.60 | | 219297.56 |
| | | Tax | | | | 18.92 | 219278.64 |
| 3/16-4/20 | | Interest | | | 118.37 | | 219397.01 |
| | | Tax | | | | 23.67 | 219373.34 |
| 5/18-6/15 | | Interest | | | 97.84 | | 219471.18 |
| | | Tax | | | | 19.57 | 219451.61 |
| 6/15-7/20 | | Interest | | | 683.27 | | 220134.88 |
| | | Tax | | | | 136.65 | 219998.23 |
| | | Transaction fees | | | | 19.00 | 219979.23 |
| 7/20-8/17 | | Interest | | | 1492.44 | | 221471.67 |
| | | Tax | | | | 298.49 | 221173.18 |
| | | Transaction fees | | | | 10.00 | 221163.18 |
| 8/17-9/21 | | Interest | | | 1677.97 | | 222841.15 |
| | | Tax | | | | 335.59 | 222505.56 |
| 4/20-5/18 | | Interest | | | 163.40 | | 222668.96 |
| | | Tax | | | | 32.68 | 222636.28 |
| | | Transaction fees | | | | 13.74 | 222622.54 |
| | | Debit Memo | | | | 20.00 | 222602.54 |
| 10/6 | 235 | David Sanches | R19 | Refund | | 644.00 | 221958.54 |
| 10/6 | 236 | David Durfee | R22 | Refund | | 20.00 | 221938.54 |
| 10/6 | 237 | Piero Cosi | R30 | Refund | | 152.00 | 221786.54 |
| 10/6 | 238 | Frank Mancini | R31 | Refund | | 412.00 | 221374.54 |
| 10/6 | 239 | Hartmut Wendt | R24 | Refund | | 500.00 | 220874.54 |
| 10/6 | 240 | Edward Rosenfeld | EC15 | XII | | 317.48 | 220557.06 |
| 10/6 | 294 | Jean McCausland | 54 | | | 179.56 | 220377.50 |
| 10/10 | 295 | Sheraton Washington Hotel | 47 | Hotel | | 16051.28 | 204326.22 |
| 10/6 | 296 | Jean McCausland | | IIf | | 1200.00 | 203126.22 |
| 10/10 | 297 | IEEE, NNC | | | | 78117.57 | 125008.65 |
| 10/10 | 298 | Intrntl Neural Network Society | | | | 97000.00 | 28008.65 |
| 10/10 | 299 | Void | | | | | 28008.65 |



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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| I. Promotion | | | | |
| a. Call for Papers | | | | |
| 1. Mailing List | 229.50 | 14.00 | 215.50 | Invoice #3 |
| 2. Printing | 1,880.70 | 1357.82 | 522.88 | Invoice #3,#25 |
| 3. Postage and mail house | 2,950.00 | 1050.00 | 1900.00 | Invoice #3 |
| b. First Announcement | | | | |
| 1. Mailing Lists | 5,000.00 | 5016.91 | -16.91 | Invoice #4 |
| 2. Printing | 11,000.00 | 7079.00 | 3921.00 | Invoice #4, #2, #10 |
| 3. Postage | 10,200.00 | 19124.11 | -8924.11 | Invoice #1a#4,#2,#10,#15ob |
| 4. Mail Services | 1,500.00 | 1387.58 | 112.42 | Invoice #4, #2, #10 |
| c. Second Announcement | | | | |
| 1. Mailing Lists | 800.00 | 450.50 | 349.50 | Invoice #11 |
| 2. Printing | 6,000.00 | 1860.46 | 4139.54 | Invoice #6 |
| 3. Postage | 4,500.00 | 3083.36 | 1416.64 | Invoice #20 |
| 4. Mail Services | 900.00 | 160.00 | 740.00 | Invoice #20 |
| d. Ads (Under the control of the promotion chairman) | 8,000.00 | 2541.25 | 5458.75 | Invoice #19,#21 |
| II. Administration: Communication and Correspondance | | | | |
| a. Printing | 1,200.00 | 659.65 | 540.35 | Invoice #9,#20,#18,#27 |
| 1. Letterhead and Envelopes | | | | |
| 2. Confirmations (Letter and Information) | | | | |
| b. Postage | | | | |
| 1. Confirmations and mailing brochures | 1,300.00 | | 1300.00 | |





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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| c. Telephone | | | | |
| 1. Meeting (Control: Nomi) | 500.00 | | 500.00 | |
| 2. Committee (Control: Conference Chairman) | 3,000.00 | | 3000.00 | |
| d. Managment Contract | 4,000.00 | 4000.00 | 0.00 | Invoice #29 |
| e. Audit | 5,000.00 | | 5000.00 | |
| f. Finance Management | 3,000.00 | 2932.72 | 67.28 | Invoice #54 |
| III. Proceeding Preparation | | | | |
| a. Proceeding Papers | | | | |
| 1. Authors (forms) | 3,000.00 | 904.03 | 2095.97 | Invoice #3, #1, #36 |
| 2. Mailing author kits | 2,700.00 | 4031.53 | -1331.53 | Invoice #5, #3, #15, #25 |
| 3. Confimation to authors | 250.00 | | 250.00 | |
| 4. Mailing papers to reviewers (Fed-Ex) | 1,000.00 | 1215.40 | -215.40 | |
| 5. Telephone (reviewers/authors) | 300.00 | 300.00 | 0.00 | Invoice #31 |
| 6. Temp - process papers (labor) | 800.00 | 980.00 | -180.00 | Invoice #16 |
| IV. Proceedings Printing (Control: Publication Committee) | | | | |
| a. Program Preparation | | | | |
| 1. Preparation by Nomi | 500.00 | | 500.00 | |
| 2. Typeset and Printing | 2,500.00 | 1677.91 | 822.09 | Invoice #35 |
| b. Printing of Proceedings | 56,000.00 | 57231.08 | -1231.08 | #20A, 40, 39,53 |



Robert J. Marks II Library Archive

IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| V. Meeting Expenses | | | | |
| a. Registration Packet (w/o proceedings) | | | | |
| 1. Registration supplies (name badges, ribbons, packet/envelope, pens) | 2,000.00 | 2000.00 | 0.00 | Invoice #26 |
| 2. Tote bags | 12,000.00 | 9023.06 | 2976.94 | #32,43 |
| 3. Tickets for social events, proceedings, announcements/changes | 2,000.00 | 2000.00 | 0.00 | Invoice #26 |
| 4. Final Program | 13,000.00 | 8853.81 | 4146.19 | Invoice # 37, 35 |
| b. AV equipment and technicians | 11,000.00 | 9631.79 | 1368.21 | Invoice #47a |
| c. Staff | | | | |
| 1. Last month temps | 6,600.00 | 6600.00 | 0.00 | Invoice #30 |
| 2. Registration on site | 12,100.00 | 18956.00 | -6856.00 | Invoice #33, #47, #46 |
| d. Signs | 2,000.00 | 2000.00 | 0.00 | Invoice #34 |
| e. Freight to Washington | 2,400.00 | 3687.00 | -1287.00 | Invoice #26,44 |
| f. Rental Equipment (Typewriter) | 500.00 | | 500.00 | |
| g. Security | 1,500.00 | | 1500.00 | |
| h. Local Arrangement | 2,000.00 | | 2000.00 | |
| i. Boards (Rental) | 2,250.00 | 1040.00 | 1210.00 | Invoice #48 |
| j. Supplies (pins, markers, etc) | 500.00 | 500.00 | 0.00 | Invoice #26 |
| k. Printing (Schedule, locations, numbers) | 200.00 | 200.00 | 0.00 | Invoice #26 |

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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| VI. Hospitality | | | | |
| a. Coffee Breaks | 36,000.00 | 30937.12 | 5062.88 | 0221705, 0222705, 0223907, 0224104,0224404, 0225005 |
| b. Welcome Reception | 30,000.00 | 11108.14 | 18891.86 | Invoice 49 |
| c. Wednesday Party | 80,000.00 | 76727.72 | 3272.28 | 0224907, 0224907 |
| VII. Miscellaneous | | | | |
| a. Petty Cash | 1,200.00 | | 1200.00 | |
| b. Contingency Fund | 3,600.00 | 2000.00 | 1600.00 | Advance |
| VIII. Tutorial Management | | | | |
| a. Presenters | 84,000.00 | 66500.00 | 17500.00 | Invoice 52a |
| b. Printing books | 12,000.00 | 10643.80 | 1356.20 | Invoice #35, 38,42 |
| c. Video Taping | 10,000.00 | 2500.00 | 7500.00 | Invoice #55 |
| d. Refreshments | 10,000.00 | 2499.84 | 7500.16 | Invoice #47, 220905 |
| e. AV | 2,500.00 | 3216.04 | -716.04 | Invoice 48a,49a,50a |
| f. Tickets/typesetting | 2,000.00 | | 2000.00 | |
| g. Tutorials Committee | 2,000.00 | 1350.00 | 650.00 | Invoice #14, 47 |
| h. Other | | | | |
| Signs | 1,000.00 | | 1000.00 | |
| Supplies | 1,000.00 | | 1000.00 | |
| Miscellaneous | 500.00 | | 500.00 | |



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IJCNN 1989, Washington Operating Budget

| Categories | Approved $ | Actual $ | Delta Cost | Comments |
|---|---|---|---|---|
| IX. Exhibits Management | | | | |
| a. Printing Exhibit Guide | 3,500.00 | 2177.31 | 1322.69 | Invoice #8, 41 |
| b. Decorator | 3,500.00 | 6864.75 | -3364.75 | Invoice #48 |
| c. Hotel Charge | 6,000.00 | | 6000.00 | Invoice #47, 48 |
| d. Security | 4,000.00 | | 4000.00 | |
| e. Printing announcements and marketing | 1,000.00 | | 1000.00 | |
| X. Committee Expenses | | | | |
| a. Intermediate | 1,000.00 | 826.64 | 173.36 | #12, 13,#25A, 24A |
| b. At Conference | | | 0.00 | Invoice #47 |
| 1. Amari | 3,600.00 | | 3600.00 | |
| 2. Eckmiller | 2,800.00 | | 2800.00 | |
| 3. Stubberud | 3,600.00 | 990.00 | 2610.00 | |
| 4. Snyder | 4,600.00 | 2051.19 | 2548.81 | 24a,25a |
| 5. Hecht-Nielsen | 1,500.00 | 150.00 | 1350.00 | |
| 6. Glaser | 1,150.00 | | 1150.00 | |
| 7. Hopfield | 1,150.00 | | 1150.00 | |
| 8. Sejnowski | 1,150.00 | | 1150.00 | |
| 9. Werbos | 200.00 | | 200.00 | |
| 10. DeClaris | 1,800.00 | 2000.88 | -200.88 | Invoice #25b |
| XI. Insurance and Bonding | 300.00 | | 300.00 | |
| XII. Emergency Chair Reimbursement Fund | 35,000.00 | 16571.94 | 18428.06 | |
| Hotel | | 16051.28 | -16051.28 | Due to insufficient documentation, I could not assign the rest of the hotel bill to the budget |
| Total | 559,710.20 | 436,715.62 | 122,994.58 | |





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IJCNN 89 FINANCE COMMITTEE

Summary of Financial Transactions
(Estimated on the Basis of Bank Statements)
October 9, 1989

| | CREDITS | DEBITS |
|---|---|---|
| "Seed" Deposits | 41,000 | |
| Registration & Fees Deposits | | |
| Checks | 612,466 | |
| Cash | 32,697 | |
| Interest Earned | 7,457 | |
| "Seed" Refunded | | 41,000 |
| Registration & Fees Refund | | |
| Bank debited | | 6,072 |
| Conference Expenses for: | | |
| On-Site Meeting Management Advance | | 10,000 |
| Hotel (paid in full) | | 137,577 |
| Checks for Invoices & Refunds | | 280,373 |
| Pending (Estimated) | | 16,500 |
| Surplus (Estimated) | | |
| Check to NCC | | 97,000 |
| Check to INNS | | 97,000 |
| Contingency (for future distribution) | | 8,098 |
| Totals | 693,620 | 693,620 |

Pat
I thought this may be of interest to you also.
ND

CONFIDENTIAL
FOR COMMITTEE USE ONLY

Nicholas DeClaris

Nicholas DeClaris, Chairman

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**GENERAL DYNAMICS**
*Electronics Division*

Date: 2-2-91

To: Nick DeClaris (cont'd)

From: P.K. Simpson

(7) If you need any information, please do not hesitate to contact me at the address on the attached card.

Sincerely,

Patrick K. Simpson

Attachments: Copy of letter dated 7/10/90
Copy of FAX dated 1/10/91

cc: Irving Englson, IEEE HQ
Robert J. Marks, NNC President

P.S. I apologize for handwriting this note, but I am not able to get to a word processor & wanted to reply as soon as possible. -PS

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that remains unresolved on my agenda is the distribution of the aforementioned IJCNN 89 audit.

(5) Your FAX message of 1-23-91 stated that "Your FAX did not arrive in good shape" I have sent another copy of this letter to you in this transmittal. Please note that this is the fourth time that you have been sent this to you

1. Returned reg. mail to your home
2. Mail to Univ. of MD - College Park
3. Faxed to you as aforementioned

I sincerely hope you get this copy "in good shape."

(6) It was unclear what you meant concerning "wrong statements" and "good faith". If you could elaborate your specific needs to me, relative to your needs pertaining to my position as NNC Treasurer, I will process them faithfully & forthright.

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# IEEE NEURAL NETWORKS COUNCIL

Patrick K. Simpson, Treasurer
*IEEE Neural Networks Council*
General Dynamics Electronics Division
17436 Ashburton Road
San Diego, CA 92128
619/573-2417

Nicholas DeClaris
8518 Beauford Drive
Fulton, MD 20759

July 10, 1990

Dear Dr. DeClaris:

As the audit of the 1989 International Joint Conference on Neural Networks (1JCNN 89) draws to a close, we need to collect all the remaining funds for eventual distribution. Because all of the remaining expenses for IJCNN 89 are being paid through the Neural Networks Council (NNC) —specifically, the audit— there should be no need for any containment of funds by the IJCNN 89 finance committee. To the best of my knowledge, at the present time all the funds have been collected with the exception of the $2000.00 check that you presented at the recent NNC AdCom meeting held June 19, 1990. Although the check was made out to "International Neural Networks Conference" and it did not have IEEE as the payee, the IEEE Technical Activities Finance Administrator has informed me that it is a valid check and suitable for deposit. I apologize for misinforming you to the contrary.

To expedite the closure of IJCNN 89, please forward the aforementioned check to the IEEE at the following address:

Marilyn Prusan
Finance Administrator
IEEE Technical Activities
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

If you have any questions or comments, please do not hesitate to contact me at the address listed above. Your immediate attention to these matters is greatly appreciated.

Sincerely,

– copy – 1/10/91
original sent to above address, returned & resent to University of MD, College Park Campus, Dept of Electrical Engineering.

Patrick K. Simpson

CC: Marilyn Prusan, Irv Engleson (IEEE TAB), Robert J. Marks II (IEEE NNC)



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AL DYNAMICS
ectronics Division

# WRITTEN WIRE MESSAGE

WRITTEN WIRE MESSAGE 1
PLUS ATTACHED SHEETS 1
TOTAL NO. OF SHEETS 2

TO (COMPANY NAME, ADDRESS AND "ATTENTION")

Nick DeClaris
Phone 301/328-2060

DATE 1-10-91

SEND VIA NO

MAILGRAM ☐
TELEX ☐
TWX ☐
TELEGRAM ☐
FAX ☒ 301/328-8013

FROM Patrick K. Simpson

NAME & TITLE: Program Manager/Principal Investigator
Neural Networks

GENERAL DYNAMICS ELECTRONICS DIVISION
5011 Kearny Villa Road - Bldg. 70
San Diego CA 92123-1447 FAX: 619-573-2266

DEPT. NO. 607
(REQUIRED BEFORE MESSAGE TRANSMITTAL)
MAIL ZONE 7202K
TELEPHONE 619-573-2417

**Return FAX Number: 619/573-2266**

(UNATTENDED)

MACHINES WILL NOT TRANSMIT PENCIL - PLEASE USE BLUE OR BLACK INK TYPE ALL CAPS

Nick:

① I received your letter of 12/28/90, thank you for the response. Attached is a copy of the letter that was sent to you at the address listed in the NNC Ad Com minutes of June 1990's meeting in San Diego. You did confirm that this was your preferred address at that meeting.

② Attached is a copy of the letter I attempted to send to you in July of last year. As you mentioned, it was not received by you at your home, but I did later send it to the College Park Campus. It is puzzling that you did not receive this.

③ I have made note of your new preferred address. I look forward to your response to the attached item.

C61 '2 89

Sincerely,

Patrick K. Simpson
NNC Treasurer

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**GENERAL DYNAMICS**
*Electronics Division*

Date: 2-2-91

To: Nick DeClaris

From: P.K. Simpson

Nick DeClaris
150 Howard Hall
Univ of MD Med. School
660 W. Redwood Street
Baltimore, MD 21201

Nick:

(1) Thank you for your letter of 1/23/91; I received several FAX copies & a mailed copy.

(2) The audit will be distributed as soon as I get the minutes from the 1990 June AdCom. I need to attach a copy of ~~this~~ with the copy to ~~IEEE~~ HQ.

(3) It is not clear to me what "financial status" you will need to close out on the long overdue audit of the IJCNN 89 conference. Please transmit a ~~this~~ clarification as soon as possible.

(4) It is not clear to me what "requested information" you desire from the NNC. Please clarify your needs as soon as possible & transmit them to me if they are applicable. The only issue

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**IEEE TECHNICAL ACTIVITIES BOARD**
**SOCIETY REVIEW COMMITTEE**

---

DATE: March 8, 1991

TO: All Attendees at Nashville Meetings
for the Technical Activities Board

FROM: L. K. Anderson, Chairman

RE: Meeting in Nashville
at the Marriott Hotel

The first 1991 meeting of the Society Review committee will take place at the Marriott Hotel in Nashville in conjunction with the TABAC meetings there, starting at 8:00 am on Friday, April 5. The purpose of this meeting will be to:

1) Review the philosophy, scope and methodology for the Society reviews.

2) Establish a five-year schedule for reviews

3) Establish the 1991 review schedule

4) Flesh out our committee

5) Select subcommittee chairpersons for the 1991 reviews

I have had discussions with Eric Sumner, Fernando Aldana and Tony Ephremides on some of these items and I'm hopeful that Eric will attend our meeting to share his views on item 1 in particular.

More information, including a detailed agenda, will follow before our meeting.

I'd like to encourage all attendees at the TABAC meetings to participate in this Society Review Committee meeting so that the Committee has the best possible inputs on expectations, methodologies and potential new committee members.

cc: Dr. Irving Engelson
Dino S. Sethi
Eric Sumner

called Pat Tanicek to make hotel reservation 3/13/91

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Bob Marks

# IEEE Council on Neural Networks

## AdCom Meeting

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

Tuesday, January 16, 1990, 6:30 P.M.

International Joint Conference on Neural Networks

Omni Shoreham, Washington D.C.

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1. Intro
2. Attend
3. Wes - Minutes
4. Minutes - Ephremedis

Minutes Room 9:30

Capitol Room

Chair Report

Handout
NNC
Conf's Success
Trans. High
Standi
Vacancies

Adopt Agenda
Intros
Snyder
Wes Delighted
New Repres
Wes
New Repres.
NNC
Standing Comm.
Meeting Forum
- Discussion
- Action

Appt. Years

# Proposed Agenda

## *IEEE Council on Neural Networks*

***1-16-90***

(1)

(2)

- ♦ Approval of Agenda
- Approval of Minutes of November 26, 1989 AdCom Meeting
- ♦ REPORTS & DISCUSSION ITEMS
  - Officer Reports
    - ° President's Report (Marks)
    - ° Vice-President's Report (Eberhart)
    - ° Treasurer's Report (Simpson/Eberhart)
    - ° Secretary's Report (Tzanakou)
    - ° Editor's Report (~~Marks~~ for Rauch)
  - Standing Committee Reports
    - ° Meetings Committee (&IOC) Roth
      - * *IOC* (Newcomb)
      - * Organizing Committee (Newcomb)
      - * *ICONN/INNS* Agreement (Newcomb)
      - * *IJCNN Summer '90* (Marks)
      - * Session Chair Support (Karplus)
    - ° Nominations Committee (Marks)
    - ° Awards Committee (Rauch/Eberhart)
    - ° Other (Dickinson)
  - *Ad Hoc* Committee Reports
    - ° ~~Glossary~~ Standards (Tzanakou/Eberhart)
  - Discussion Items ICONN vs. INNC
    - ° *ICONN* Newsletter (Rosalyn & Wes Snyder)
    - ° *ICONN Workshops* (Marks)
    - ° *ICONN Student Fellowships* (Eberhart)
    - ° Logo registration status (Eberhart)
  - Other → New Members (Member dates)
- ♦ ACTION ITEMS
  - *Old Business*
    - Election of Treasurer (Marks)
    - *ICONN* Membership
      - ° *IEEE Industry Applications Society* Petition (Nutter/Cook)
      - ° *IEEE Oceanic Engineering Society* Petition (Simpson/Trueblood)
  - Meetings Issues
    - ° IJCNN '90 Budget Approval
    - ° Session Chair Support
  - Other
    - ° Fix
    - ° France
  - *New Business*
    - Newsletter
    - Workshop
- ♦ ADJOURN
- ♦ APPENDICES
  - ICONN AdCom Members
  - ICONN Constitution

TAB 1 ⇒
TAB 2 ⇒
TAB 3 ⇒
TAB 4 ⇒
TAB 5 ⇒
TAB 6 ⇒
TAB 7 ⇒

FRANCE
FINLAND

NNC

Establish Support Comm

Break

Next Meeting

Twice per motion
In writing
Submitted

Robert's Rules

(1) Intro's
- Voting
-
(2) Wes Snyder
(3) Agenda

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*TAB 1*

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# MINUTES OF THE IEEE-NNC MEETING

## NOVEMBER 26, 1989

## SHERATON DENVER TECHNICAL CENTER, CO.

R. J. Marks II Presiding:

The meeting came in session at 1:33 pm. The following NNC members were present: R. Eberhart, J. W. Goodman, R. J. Marks, R. Newcomb, H. Rauch, E. Tzanakou, W. Snyder W. J. Karplus (ex officio) and A. Ephremides.

Introductions were made and proxies presented. Oral and written proxies were discussed. Only the written ones were accepted. Those were F. Aldana's to W. Snyder and T. Nagle's to R. Eberhart.

The proposed agenda with addenda was introduced by R. Marks and was adopted as modified.

The minutes of the June 18th meeting were approved with minor corrections (mostly typos). (*Attachment* 1).

Robert Marks in the chairman's report indicated that the NNC petition to become a Council as of January 1, 1990 was approved by the Technical Activities Board (TAB). The IEEE Council on Neural Networks will be an ex officio member of TAB. The status of the current meeting is as both a Committee and Council. According to the Constitution and Bylaws of the Council, four officers are to be elected to do business for the CNN.

R. Newcomb is the new chairman of the IJCNN Oversight Committee (IOC) as N. Declaris stepped down from this post. R. Eberhart was appointed as the Financial Chair for the IJCNN meeting in January 1990. F. Aldana and Chris Johnson stepped down from the IOC as well.



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As a Council, we now have new committees such as a Standings Committee, a Meetings Committee, Publications and Nominations Committee and a Constitution and Bylaws Committee. The latter is Chaired by the Secretary of the CNN.

In the Treasurer's report, R. Eberhart reported on the status of the books of the two previous conferences in June 1988 in San Diego (ICNN '88) and June 1989 in Washington, D.C. (IJCNN '89). The total surplus in 1988 was over $78,000 and the IEEE NNC receives half of that. The other half goes to the IEEE San Diego Section. The estimated total surplus for the 1989 IJCNN is estimated at $170,000 and the IEEE NNC receives half of that. The other half goes to the International Neural Networks Society (INNS). (*Attachment* 2).

In the secretary's report, E. Tzanakou requested that all motions be submitted in writing prior to voting and that they also be read over prior to voting.

H. Rauch gave an update on the status of the IEEE Transactions on Neural Networks. The material for the first issue is ready and the mailing is expected around March 1, 1990. As of November 1, 1989 there have been 35 papers submitted of which ten were accepted for the first issue, eight were rejected and seventeen papers are still under review. In addition there were seven "Letters" submitted, three of which are informational and were solicited and have been accepted. Of the four technical letters, one has been accepted, one rejected and two are still under review. H. Rauch said that he would like to make the Transactions six issues per year by 1991. The estimated subscription was 4,000 members plus 1,000 for libraries. The number at the time of the report is about 2,000.

The IJCNN Oversight Committee (IOC) report was given by R. Newcomb. The results of the November 25, 1989 meeting were summarized as follows: (1) A new agreement between CNN and INNS was drafted that generally subsumes the previous one but spells out some specifics on operations and clarifies the IOC code as a monitor. An IOC Constitution and Bylaws will also be adopted, (2) A proposed schedule for meetings in the years to come was submitted that has one main meeting in North America and one other outside North America alternating between Europe and Pacific. (*Attachment* #3) R. Newcomb also discussed setting of guidelines for tutorial speakers. He announced that the next IOC meeting will take place in Washington D.C. at the IJCNN at 9:30 am Monday, January 15, 1990.



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The next report was given by W. Karplus who discussed budget issues for the San Diego 1990 IJCNN Conference. The subject of reimbursing the organizing committee members for travel was discussed as well as the fee and travel expenses for the keynote speaker. A motion was made that "the Neural Networks Committee not approve the proposed contract with J. Burke, unless the total amount is reduced to $5,000 including all expenses". The motion was seconded, discussed, voted upon and passed. A second motion by Russ Eberhart "that all reimbursements for travel for session organizers for the 1990 IJCNN in San Diego be on the basis of need, under the item by item control of the General Chairman", passed as well.

A. Ephremides said that he intends to push ahead in the coming year for the Volunteer restructuring proposal.

Next, the motion on secretarial support by R. Marks was discussed and passed as amended. "Up to $7500 is alloted for secretarial support at the discretion of the Chair. The amount can be applied retroactively". Also, the motion "the NNC/CNN approve not more than $600 in funds for the registering of the logo in the upper right hand corner of the stationary, the conference title International Conference on Neural Networks as well as the initials ICNN" passed.

The Neural Networks "Glossary" was discussed next. R. Eberhart suggested that we should have a terminology committee for some standards in nomenclature. H. Rauch suggested opening a dialogue through the Transactions. So, an ad hoc committee on standards was formed consisting of R. Eberhart, W. Snyder and E. Tzanakou (Chair) with a deadline of February 1, 1990. R. Eberhart will write a letter with some commonly used terms and invite others to offer definitions and/or other terms for discussion.

The awards committee was discussed then and the idea of the best paper of the year was adopted.

The formation of a CNN fellows committee was discussed and possible members were suggested such as E. Posner (Chair), B. Newcomb and B. Widrow.



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At this point elections for the Council members for the year 1990 took place by secret ballot. The nominations were made from the floor and the results of the elections are as follows:

Robert Marks II, President
Russ Eberhart, Vice President
Evangelia Tsanakou, Secretary

R. Eberhart will also serve as Treasurer, until one gets elected.

After a short recess for dinner the meeting was resumed at 6:30 pm.

The Newsletter was discussed at length. R. Eberhart suggested that a formal proposal be submitted in the next meeting. H. Rauch made the point that since there is no formal subscription for the Transactions, the Newsletter is not necessary. R. Newcomb thinks that a newsletter will be very helpful, but we need someone to champion it before we push on it.

H. Rauch then discussed the publicity of the Transactions. R. Eberhart made the motion "to approve up to $2,000 for Transactions publicity at the discretion of the Editor". This motion carried. M. Roth was approved as an Associate Editor of the Transactions.

H. Rauch also moved "to approve the purchase of 1,000 extra copies of the first issue of the IEEE Transactions on Neural Networks, not to exceed $2,500 total" for distribution in the January meeting. The motion passed.

Two motions by W. Snyder were tabled until January. The motions read as follows: (1) I move that the CNN go on record as never approving any budget for IJCNN's after 1990 which contain reimbursements for Session Chair travel, and (2) I move that the CNN go on record as encouraging future IJCNN budgets to contain a $20,000 discretionary fund for the general chair.

R. Marks will write letters to the newly accepted Societies about their admission to the Council.

R. Newcomb moved that "the proposed IJCNN meeting schedule be approved, as far as times and locations, as a working schedule through 1992 and conceptually approved overall". The motion passed.



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R. Eberhart moved that "the President of the CNN, at his or her discretion, be able to help pay travel expenses to those who could not otherwise attend the ADCOM meeting. The request for travel expenses must be made in writing prior to the meeting". The motion passed.

A similar motion by R. Marks on TAB meetings also carried.

The letter by T. Nagel dated September 18, 1989 points out that no agreement was ever signed between the IEEE Neural Networks Committee and the San Diego Section and that the only official action between the two parties was the approval of the ICNN 88 Conference budget. (*Attachment* 4).

The meeting adjourned at 7:35 pm.



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ATTACHMENT 1

# MINUTES OF THE IEEE-NNC MEETING

June 18, 1989

Sheraton Washington Hotel, Washington, D.C.

---

R. J. Marks II presiding.

The meeting came to order. The following NNC members were present: F. Aldana, K. Bakhru, N. DeClaris, B. Dickinson, R. Eberhart, B. H. Juang, R. Marks, T. Nagle, E. Posner, H. Rauch, W. Snyder, E. Tzanakou; and five observers: M. Aronstein, M. Roth, P. K. Simpson, R. D. Trueblood and A. Ephremides.

The agenda was discussed and approved. Minutes were approved as amended. One change was made, namely that R. Eberhart was an NNC member as of the Denver meeting.

A report on past accomplishments was given by R. Marks. These accomplishments included the agreement between the INNS and IEEE and the tentative approval of the IEEE Neural Networks Transactions.

Troy Nagle reviewed the financial status of the 1988 conference. As of the end of April, the IEEE account had a $25,500 balance with $16,000 loan to this year's committee. Mr. Aronstein, Chairman of the San Diego Section, said that the books can be closed out soon.

The next item on the agenda was governance. T. Ephremides took nominations from the floor. R. Marks and F. Aldana were nominated for Chairman. They left the room so that elections could take place. R. Marks was elected Chairman. E. Tzanakou was nominated for Secretary. She was elected by acclamation. W. Snyder was nominated for Treasurer but declined. He then nominated R. Eberhart who was elected by acclamation.

The Constitution of the Neural Networks IEEE Committee was then brought up for adoption as it appeared in the blue book (distributed). It was unanimously approved with minor corrections.

A proposed Constitution for the IEEE Council on Neural Networks was brought up for discussion. It was noted that this constitution would have to be presented to the Technical Activities Board (TAB) and be approved by the NNC. Becoming a Council is the next step up the IEEE ladder. Because the NNC will be publishing a Transactions as well as running the IJCNN, it is appropriate that it becomes a council, a more formal organization. Proper campaigning with the TAB members was recommended.



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A motion by H. Rauch (seconded by R. Eberhart) followed to proceed with the council status. All were in favor but one. T. Ephremides, H. Rauch and W. Snyder were then appointed as a subcommittee to "fine tune" the IEEE council proposal. The field of interest was discussed at length. The above mentioned three member subcommittee will craft the version to be presented to the TAB. The same version will be reviewed by T. Nagle, then a mail vote will be taken by mid October. The motion was passed.

Herb Rauch then took the floor to discuss the upcoming Transactions. He passed out a description of the publication, a copy of which is attached as Appendix A. In addition to the twelve Associate Editors already suggested, two more Associate Editors, Scott Kirkpatrick and Erkka Oja were suggested.

Sections on papers, short papers and letters will be established. Papers and short papers will be reviewed identically, letters will undergo a different review process that facilitates quick publication. The scope of the Transactions was discussed, and several changes were suggested. The document will be mailed to the Editorial Board for suggestions and approval. A motion for the approval of the Associate Editors was made, seconded and approved.

The conference status was then brought up by Bob Marks. W. Snyder discussed the status of the IJCNN '89 conference. He said it is a "success" with three cost centers (exhibits, tutorials, and registration) all in the black.

A discussion followed that if needed, Bob Marks will write to Society presidents, on behalf of any individual member, requesting that the Society help cover expenses to the NNC meetings. It was moved (F. Aldana) that the Chairman of the NNC at his or her discretion, be able to help pay travel expenses of those who could not otherwise attend the meeting. The request for travel expenses must be made and approved in advance of the meeting. The motion was unanimously approved. At this point, another motion was made for the requirement of "in advance" of the previous motion, being removed for this year's meeting. The motion was unanimously approved.

A report of the Oversight Committee followed. Nick DeClaris reported on the 1990 and 1991 organizations and plans. He mentioned that tab #8 from the circular is withdrawn from consideration since a number of problems exist. Discussion took place as to who chooses the place of a conference and whether the Oversight Committee should have the power to make that decision and that decision being discussed by the NNC. The issues of how much ahead of time decisions should be made about locale and people running the conference were discussed. During the discussion about the '91 Conference a motion was made by R. Eberhart. The motion is that..."the oversight committee following this conference cannot hold or assume major leadership roles in the conferences while they are on the Oversight



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Committee". After a long discussion -- sometimes very confusing-- the motion was passed (6 for it, 5 against it). The 1991 conference will take place in Seattle, (IEEE sponsored). A motion was placed by F. Aldana that "the five members of the Oversight Committee who belong to the IEEE-NNC should act as the meetings committee of the NNC." The motion passed unanimously.

T. Ephremides brought up the Region 10 meetings outside the U.S. and that TAB will match the amount that the societies will contribute for one or two representatives to these meetings. The current plan is one in India, one in Singapore and a couple in Australia. If we choose to participate in this series of colloquia we should designate one or two people to participate. R. Eberhart moved that up to $5,000 be allocated as matching funds for this traveling to the IEEE Symposia in Asia. Motion was carried unanimously.

It was decided that the next meeting will be on Sunday, November 26, 1989 at 1:30 p.m. at the NIPS Meeting.

M. Aronstein brought up the issue of percentage interest for the San Diego section in the IJCNN '90 meeting. The issue was tabled.

The meeting was then adjourned.



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ATTACHMENT 2

# IEEE NEURAL NETWORK COMMITTEE
# FINANCIAL SUMMARY ESTIMATE
# 11/24/89

INCOME

| | |
|---|---|
| ICNN 1988 Surplus [redacted] | $78,765 |
| Current balance [redacted] IJCNN 1989 (estimate) (may be additional pmt fm IEEE, book broker) | 190,000 |
| Estimated total | # 268,765 |

EXPENSES AND COMMITMENTS

| | |
|---|---|
| Committee [redacted] work | # 8,015.53 |
| Transactions [redacted] | 339.33 |
| [redacted] IJCNN Summer 1990 | 61,056.59 |
| IJCNN Summer 1991 | 530.00 |
| IJCNN 1989 remaining bills (estimate) | 20,000 |
| [redacted] 50% of IJCNN 89 Surplus (estimate) | 85,000 |
| Estimated total | # 174,941.45 |

ESTIMATED NET WORTH
# 93,823.55

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ATTACHMENT 3

The following table summarized the preliminary planning thru 1995:

| Lead Society | Year | Month | Location |
|---|---|---|---|
| INNS | 1990 | January | Washington, DC |
| IEEE | 1990 | June | San Diego |
| INNS | 1991 | July | Seattle |
| IEEE | 1991 | October | Singapore |
| IEEE | 1992 | Apr/Jun | Washington, DC |
| INNS | 1992 | late Oct | Brussels |
| INNS | 1993 | June | SF/Vancouver |
| IEEE | 1993 | October | Japan |
| IEEE | 1994 | June | Philadelphia |
| INNS | 1994 | October | Spain |
| INNS | 1995 | June | West Coast US |
| IEEE | 1995 | October | Hawaii/London |

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North Carolina State University
Department of Electrical and Computer Engineering

Box 7911
Raleigh, NC 27695-7911
919-737-2336

September 18, 1989

Professor Robert W. Newcomb
Microsystems Laboratory
Electrical Engineering
University of Maryland
College Park, MD 20742

Dear Prof. Newcomb:

Inclosed is the Budget that was approved by the San Diego Section and the IEEE Neural Networks Committee for ICNN88. As part of the budget development process, the IEEE NNC (represented by me as its Chair) and the San Diego Section (represented by Robert Hecht-Nielsen as appointed by the Section Chair, Larry Hamerman) agreed to bring to the our respective entities the IEEE ICNN88 Conference Plan that you will find attached to the ICNN88 Budget. The attachment was included as part of the ICNN88 approved budget and the San Diego Section did in fact share the surplus with the IEEE NNC on and equal basis, as was specified in the Conference Plan. The IEEE NNC and the San Diego Section agreed that the document as proposed was a mixture of 1988 details and a general charter agreement, and that the general charter items should be separated and refined so that all parties could sign the agreement and end the controversy that began with the 1987 conference. The Region 6 Director in office at that time, Dick Doyle, was to refine the wording of a separate general charter agreement with the Section and Robert Hecht-Nielsen (the text was in his Company's word processor). I was prepared (and authorized by the IEEE NNC) to sign a general agreement that conformed to the Conference Plan as attached to the budget for the 1988 Conference. The refined general charter was to be signed during the fall of 1988. Meanwhile, in early December, 1988, the IEEE NNC negotiated a merger of the ICNN with the INNS Annual Meeting to become the IJCNN Series of Conferences. The agreement with



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the INNS was written so as to preserve spirit of the earlier agreement with the San Diego Section. I was an observer to the negotiations between the INNS and the IEEE NNC for the expressed purpose of seeing that the spirit of the agreement, as I understood it, was preserved. In December 1988, I resigned as Chair of the NNC due to my election as VP Technical Activities, and Robert Marks subsequently became the IEEE NNC Chair. To the best of my knowledge, the final agreement between the IEEE Neural Networks Committee and the San Diego Section has not been signed. The only official action taken by the both parties was the approval of the ICNN88 Conference budget to which the terms of cosponsorship were attached.

I hope that this helps clarify the issues involved. I must apologize for not completing the agreement with the San Diego section before my resignation as Chair of the IEEE NNC. Dick Doyle was to see that a charter that was acceptable to the San Diego Section was prepared. He was to sign it himself and have the Section Chair sign it, and then I was to sign it if it agreed with the terms as expressed in the ICNN88 Budget. If it deviated from the terms as detailed in the ICNN88 Budget attachment, then I was to bring it back to the NNC for its ratification.

Your Oversight Committee has a lot of work ahead. If you plan to have a meeting at NIPS in Denver, I will make every effort to attend (if requested to do so) to explain the rather complicated chain of events that led up to the terms of the compromise worked out by Robert Hecht-Nielsen and me as detailed in the ICNN88 Budget attachment.

Sincerely,

H. Troy Nagle
Professor

cc: Robert Marks, Chair, IEEE NNC
Allen Stubberud, Director, IEEE Region 6
Michael Aronstein, Past Chair, IEEE San Diego Section

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***TAB 2***

This document was originally prepared by ICONN. This second draft has been submitted by INNS for consideration by the IOC and the ICONN.

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IEEE

**NEURAL NETWORKS**

Robert J. Marks II, President
IEEE Council on Neural Networks
University of Washington
Interactive Systems Design Laboratory
Dept. of Electrical Engineering, FT-10
Seattle, Washington 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

January 3, 1990

Professor Robert W. Newcomb, Chair
IJCNN Oversight Committee (IOC)
Microsystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD 20742

Dear Bob,

The attached letter is the latest in a series of queries with regard to IJCNN support of session organizers and chairs. I, thus, will propose as an "ex officio" member of the IOC, the following motion:

> "No session organizers or chairs attending IJCNN's shall be compensated for their travel in relation to performance of these duties."

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

cc: Evangelia Tzanakou, ICONN Secretary
Bernie Widrow, INNS President


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**IEEE** **TECHNICAL ACTIVITIES BOARD**

**TAB MEETINGS COMMITTEE**
Dov Jaron, Chairman

PLEASE REPLY TO:
Biomedical Engineering and
Science Institute
Drexel University
32nd and Chestnut Streets
Philadelphia, PA 19104 USA
(215) 895-2215

December 28, 1989

Professor Robert J. Marks, II
Chair, IEEE Neural Networks Committee
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98185

Dear Bob:

Thank-you for your letter of December 4th in which you report on the status of the Neural Networks Conference. As you mention in your report, there have been two primary irregularities in previous conferences: excessive travel support for session chairs and large fees paid to presenters of tutorials.

Your report indicates the actions taken to correct the first irregularity but does not speak to the second.

I would appreciate receiving information about the level of fees that are being paid for tutorials and whether they conform to IEEE guidelines; if not, what corrective actions have been put in place.

Sincerely,

Dov Jaron, Ph.D.

DJ/tw
Attachment
cc: Eric Herz
Irving Engelson
Melvin Olken



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IEEE

NEURAL NETWORKS

December 4, 1989

Dr. Dov Jaron
Biomedical Engineering and Science Institute
Drexel University
Philadelphia, PA 19104

Dear Dov,

At your request, I am providing a summary of Conference Activities of the *(IEEE Council on Neural Networks).* All of the conferences thus far have been huge technical successes. The current series of International Joint Conferences on Neural Networks (IJCNN's) are currently the most visible and largest conferences in the world on the topic. There have been, however, numerous problems in the management of the conferences. It is these issues I will primarily address.

The International Conferences on Neural Networks were held in San Diego in the summer of 1987 and 1988. The primary irregularities in these conferences were excessive travel support for session Chairs and the large fees paid to presenters of tutorials.

At the 1988 meeting of the Planning Committee for the 1989 Conference, a procedure was discussed whereby session Chairs could be reimbursed for travel based on hardship only. The program Chair for the Conference (now the IJCNN) ignored the spirit of the agreement and informed all session Chairs that travel would be reimbursed from the NNC upon petition.

The Conference Chairs (Al Stubberud, currently Division VI Director, and Wes Synder) and I felt that many of the session Chairs had, in good faith, made travel plans contingent on Conference support. Each was contacted by one of the Conference Chairs and the matter was resolved on a case-by-case basis. In order to assure that the matter did not again surface, I indicated in writing to the next Conference Chairs that any financial commitments made without NNC approval would be the responsibility of the person making it. The 1990 IJCNN Chairs (Joseph W. Goodman and Walter Karplus) are aware of the past abuses and are sympathetic to the NNC's position on the matter. The current mood of the NNC is to ban all budgeted support for session Chairs after 1990.

There were also problems with the financial accountability for the 1989 IJCNN. Despite reminders from IEEE Conference Services and the NNC, the 90 day financial report required by IEEE from the Conference Finance Chair was not forthcoming. Checks were issued by the Finance Chair to the sponsoring societies for approximately $200,000 in late September of this year. The conference is currently being audited by Coopers & Lybrand. Irv Engelson, as a signatory for the conference, ordered the audit at the request of the NNC.



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Two major Neural Networks conferences were planned for the summer of 1989 – one sponsored by the NNC and one by the International Neural Networks Society (INNS). To avoid conflicting meetings in both time and location, the NNC and INNS crafted an agreement whereby coordinated semiannual IJCNN's would be offered. After 1990, the current plan calls for one annual IJCNN in North American each summer and one outside the country during the winter. We are currently crafting a more detailed agreement with INNS for the co-sponsorship of these conferences. The IJCNN Oversight Committee (IOC) Chair is Robert W. Newcomb, an IEEE Fellow.

Additional steps that have been taken to assure past problems do not reoccur include review of all conference budgets and contracts by IEEE Conference Services and with the approval of Eric Herz, appointment of Mel Olken to the IOC.

Please contact me if you require further information.

Sincerely,

Robert J. Marks II
Chair, IEEE Neural Networks
Committee
President, IEEE Council on Neural
Networks (CNN)

cc: CNN Executive Committee
Dr. Robert W. Newcomb (IOC Chair)



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***TAB 3***

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Is this agreement

***DRAFT***

Notes
Cros
√Sess Chairs
No Conf/IOC

*AGREEMENT*

*BETWEEN THE IEEE COUNCIL ON NEURAL NETWORKS*

*AND THE INTERNATIONAL NEURAL NETWORK SOCIETY*

In the interest of promoting research, development and education in the area of Neural Networks, the IEEE Council on Neural Networks (ICONN) and the International Neural Network Society (INNS) agree to jointly sponsor international meetings, known hereafter as the "International Joint Conferences on Neural Networks," equally sharing the risk and the surplus of the conferences. ← Ref to IEEE

1) This document becomes effective upon signature of the Presidents of the two organizations and supercedes the agreement of 11/29/88.

2) Each conference shall be titled the International Joint Conference on Neural Networks (IJCNN).

3) Primary responsibility for operation of each conference shall alternate between the two organizations. The organization with responsibility for a particular conference shall be known as the "lead society".

4) The lead society shall appoint the General Chair with the advice and consent of the President of the other organization. The lead society guarantees the other society complete access to the financial records of the Conference at any time.

5) Both organizations may organize and operate membership booths in conjunction with registration. Organization publications may be sold at these booths. ~~Registrants may join either organization at the meeting and receive member discounts.~~

6) Proceedings of the joint conferences will be sold to members of either organization at the member's rate. The conference committee should approach the IEEE book broker program to establish a mechanism for post-conference sales. Establishment of this mechanism shall be part of the budget planning process for each conference. The lead society will be responsible for post conference sales of proceedings.

7) Copyrights to the conference proceedings will be controlled by and at the discretion of the lead society.

8) Exhibits are encouraged as an integral part of the conferences. The conference committee (defined in paragraph 15 below) will be responsible for establishing an exhibits program, in coordination with members of the vendor community.

9) As a general guideline, speakers (except for tutorial speakers) are not compensated for their presentations. Plenary speakers normally have their travel expenses paid. The conference committee will set specific arrangements in accordance with the policies of both INNS and IEEE. Compensation for tutorial speakers shall be consistent with the policies of IEEE and INNS. Session chairs are not compensated for their travel expenses.

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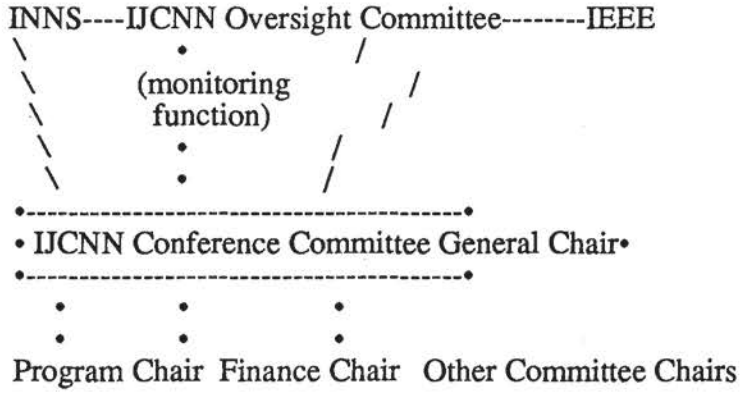
10) Registration fees will be determined by the conference committee and submitted to the sponsoring organizations as part of the conference budget. Significant fluctuations in fees for contiguous meetings are discouraged. INNS/IEEE

11) All expenses associated with the conference will be included in the conference budget which must be approved by both organizations. It is the responsibility of the conference committee to enforce adherence to the budget.

12) A preliminary budget will be submitted by the lead society to the IOC (as defined in paragraph 13 below) and the other organization approximately two years in advance beginning with the 1992 meetings. An operating budget will be similarly submitted approximately one year in advance. It must be approved, disapproved or approved with modifications within 90 days after receipt, or it is approved as submitted.

13) There shall be an Oversight Committee (hereinafter referred to as "IOC"), consisting of not more than 5 people, appointed by the IEEE ICONN, and not more than 5 people appointed by the INNS Executive Committee. No IOC member will serve on the organizing committee (defined in paragraph 13 below), ~~unless permitted by a 70 % majority vote of the IOC~~. The IJCNN Oversight Committee shall serve to ensure adherence to this agreement and to mediate any disagreements. If a disagreement cannot be resolved by the IOC, the matter will be referred to the ICONN and the INNS Board. The following diagram specifies the organizational structure:




14) This agreement can be canceled upon written notification of either organization to the President of the other organization. The President of the INNS and the President of the NNC shall have the responsibility of settling any unfinished business already initiatedas a result of this document. In the event of dissolution, each society shall honor its previously approved budgets. Upon cancellation, both organizations agree to not use the conference name "International Joint Conference on Neural Networks" or the initials "IJCNN". The ICONN reserves the exclusive right to use the conference name "International Conference on Neural Networks". The INNS reserves the exclusive right to use the conference name "INNS Annual Meeting". Both organizations will refrain from sponsoringother major activities within one month of each IJCNN. Both organizations will share equally in any conference surplus. If a conference loses money, both organizations will equally share in the cost.

15) The IJCNN Conference Organizing Committee (herein referred to as "Organizing Committee" or "Conference Committee") shall consist of at least a General Chair, a

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Program Chair, and a Finance Chair, all of which chairs are chosen by the lead society, with the General Chair to be selected with the advice and consent of the other participating Society. The General Chair has primary responsibility for all aspects of the meeting and is accountable to the lead society (AdCom of the ICONN;Executive Committee of the INNS) with respect to the discharge of that responsibility. It is the responsibility of the President of the lead society to ensure that the General Chair is made aware of all relevant guidelines for the conference, including financial reimbursements. The General Chair shall appoint, may dismiss and is ultimately responsible for the duties of the other members of the Organizing Committee. The Program Chair is responsible for the technical program, including preparation of the Call for Papers, speaker invitation, review/referee procedure, session organization, etc. subject to IOC guidelines. This person should assemble and preside over the Program Committee. The Finance Chair is responsible for all of the financial aspects of the meeting including approving expenditures, seeing that the correct financial records are maintained, seeing that the approved registration fees are charged, preparing the final report, etc. The primary aim of the Finance Chair should be to stay within the approved budget: note that the approved budget may not be the same as that submitted, since the sponsors might request changes. The General Chair may appoint other chairs as required, and will in all matters follow the guidelines contained in the latest version of the IEEE Conference Organization Manual.

16) A preliminary internal audit will be presented to the IOC and both organizations not more than 90 days after the close of the conference. A final audit and financial report is due 180 days after the close of the conference. Copies of this audit are to be presented to the IOC and the organizations. If there is a surplus, it shall be distributed evenly between the two organizations by the conference finance chair. Either organization can order an external audit of the conference by a nationally prominent accounting firm. In such cases, the audit cost will be paid from any conference
surplus.

17) There will be at least three signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, and the President of the Lead Society. Any one signature will be sufficient to authorize checks of $10,000 or less. Any two signatures will be required for amounts greater than $10,000.

18) Policies of both IEEE and INNS with regard to running of conferences will be adhered to.

**********

This document was discussed and jointly prepared by the members of
the IJCNN Oversight Committee 25 November, 1989.

Approved by the INNS by its President:

_____ Date:_____

Approved for the IEEE ICONN by its President:

_____ Date:_____

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***TAB 4***

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IEEE

INDUSTRY APPLICATIONS SOCIETY

Eugene J. Fagan
PRESIDENT

December 31, 1989

PLEASE REPLY TO:
E. I. du Pont de Nemours & Company
Engineering Department
P.O. Box 6090
Newark, DE 19714-6090 USA
(302) 366-2884

Mr. Robert J. Marks, II
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Mr. Marks:

Thank you for your letter of December 7 explaining the status of our request for membership to the Council on Neural Networks. When I voted for establishment of the Council in Tarpon Springs, Florida, I was aware of your statement that membership by Industrial Applications Society was pending. I assumed that approval of our request would be handled in a routine manner. After reading your letter, however, the process appears quite complicated. It almost seems that I would have been better advised to vote "no" on your request so long as Industry Applications Society was excluded.

Let me summarize our position. The Executive Board of the Industry Applications Society has voted to join the Council on Neural Networks. Our representatives are Drs. Nutter and Cook. I will ask them to attend your AdCom meeting at 6:30 pm on January 16, 1990, if their schedules permit. If their schedules do not permit, I trust that you will consider our application anyway.

Very truly yours,

Eugene J. Fagan

Eugene J. Fagan
Society President

EJF/lc
IEEE5:18

cc: Dr. M. Dayne Aldridge-Auburn University, School of Engineering, 108 Ramsey Hall, Auburn University, AL 36849-3501, 205-844-4333

Dr. Roy S. Nutter, Jr., West Virginia University, 821 Electrical Engineering, P.O. Box 6101, Morgantown, WV 26506, 304-293-6375

Dr. George E. Cook, Vanderbilt University, P.O. Box 2215 Station B, Nashville, TN 37235, 615-322-2259



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*TAB 5*

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IEEE

OCEANIC ENGINEERING SOCIETY

OES

Dr. Daniel L. Alspach
**President**

PLEASE REPLY TO:
ORINCON Corporation
9363 Towne Centre Drive
San Diego, CA 92121 USA
(619) 455-5530 Ext. 204

December 13, 1989

Dr. Robert J. Marks II
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Bob:

Per our discussions, I understand that the IEEE Oceanic Engineering Society's request for membership on the Neural Networks Committee is inadequate because the Committee has recently been authorized to be changed to a Council. IEEE Oceanic Engineering Society (OES) enthusiastically supports the upgrade of the Committee to a Council, as the OES was a Council for many years.

Per your written and verbal request, this is a formal request for membership on the IEEE Council on Neural Networks (CNN), along with my assurance that our members will abide by the provisions in the CNN Constitution.

Sincerely,

Daniel L. Alspach, Ph.D.
President
Oceanic Engineering Society

DLA:mrp



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*TAB 6*

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January 11, 1990

# IEEE Council on Neural Networks: Ad Com and Member Society Presidents

## OFFICERS (1990)

**President**

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Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
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Seattle, WA 98195
(206) 543-6990
marks@blake.acs.washington.edu
FAX:(206)543-3842

**Vice President**

Russell Eberhart
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, MD 20707
(301) 953-5037
rce1%aplvm.bitnet@uwavm.acs.
washington.edu

**Secretary**

Evangelia Tzanakou
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, NJ 08854
(201) 932-2037
etzanako@elbereth.rutgers.edu
FAX:(201)932-5313

**Treasurer** (*pro tem*)

Pat Simpson
*General Dynamics*
10255 Covina Court
San Diego, CA 92126
(619) 573-2417 (W)
(619) ~~271-9256 (H)~~ 451-1846 (H)
Home:
17436 Ashburton Rd
Sa 92128

**Editor, IEEE Transactions on Neural Networks**

Herbert E. Rauch (1990)
*Lockheed*
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-3115

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# STANDING COMMITTEES (1990)

## Awards Committee

Bradley Dickinson, Chair
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
bradley@ivy.princeton.edu
(609)452-4644

## Constitution and Bylaws Committee

Evangelia Tzanakou, Chair
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, NJ 08854
(201) 932-2037
etzanako@elbereth.rutgers.edu
FAX:(201)932-5313

## Meetings Committee

Robert W. Newcomb, Chair
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD
FAX (301) 454-1837
301-454-6869

Mel Olken
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
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(212) 982-8286 (H)
FAX: (201) 562-1571

Edward C. Posner
Dept. of Electrical Engineering
California Inst. of Technology
1201 California Street
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Fernando Aldana
Universidad Politecnica de Madrid
Avda. Ramiro de Maeztu, s/n
Cuidad Universitaria
E-28040 Madrid, SPAIN
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34-1-234 37 09

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**Nominating Committee**

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**Publications Committee**

(vacant)

**Editor, IEEE Transactions on Neural Networks**
(*ex officio* member)
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FAX: (415) 424-3115

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## IEEE Society Members

### Circuits and Systems

Anthony N. Michel (1990)
Dean, College of Engineering
Dept. of Electrical Engineering
University of Notre Dame
Notre Dame, IN 46556
(219) 239-5534

Robert W. Newcomb (1990-91)
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
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301-454-6869 (O)
301-454-8830 (Lab)

Anthony N. Michel, President
Dean, College of Engineering
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### Communications

Charles M. Puckette, IV, Manager(1990)
Communications Technology and
Systems Branch
General Electric Company
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Schenectady, NY 12301

(vacant)

John C. McDonald, President
Contel Corporation
375 Park Avenue, Suite 2405
New York, NY 10152
(212) 758-6161

### Control Systems

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Bradley Dickinson (1990-91)
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bradley@ivy.princeton.edu
(609) 258-4644
FAX: (415) 424-3115

Jane K. Cullum, President
33-259
IBM Research Division
T. J. Watson Research Center
P. O. Box 218, Route 134
Yorktown Heights, NY 10598
(914) 945-2227

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**Engineering in Medicine and Biology**

(vacant) (vacant)

Willis J. Tompkins, President
Electrical & Computer Engineering
University of Wisconsin
1415 Johnson Drive
Madison, WI 53706-1691
(608) 263-1581

**Industry Applications Society** (member apparent)

George E. Cook (1990)
Vanderbilt University
Box 2215, Station B
Nashville, TN 37235
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***TAB 7***

With the exception of added dates, this document is identical to the one submitted to IEEE.

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# CONSTITUTION AND BYLAWS

# FOR THE IEEE COUNCIL ON NEURAL NETWORKS

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# CONSTITUTION

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# CONSTITUTION FOR THE

# IEEE COUNCIL ON NEURAL NETWORKS

## ARTICLE I

## NAME AND PURPOSE

Section 1. The name of the organization constituted herein shall be the IEEE Council on Neural Networks.

Section 2. The purpose of the Council is to advance and coordinate work in the field of Neural Networks carried out throughout the IEEE and as such is exclusively scientific, literary and educational in character. In furtherance of the foregoing, the Council may publish appropriate periodicals, sponsor IEEE Neural Networks related conferences and conference sessions, sponsor IEEE Press publications, and engage in any other activity within its field of interest. All such actions must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, with special attention to such aims within the field of interest of the Council as are hereinafter defined.

## ARTICLE II

## FIELD OF INTEREST

Section 1. The field of interest of the Council and its activities and programs shall consist of aspects of the theory, design, and applications of neural networks that range from software to hardware. Changes to the field of interest may be made with approval of the IEEE Technical Activities Board.

## ARTICLE III

## MEMBERSHIP OF THE COUNCIL

Section 1. The Council shall be composed of IEEE Societies which have demonstrated a strong interest in Neural Networks and are supporting technical activities in the field. These Societies must agree to share the responsibility for all obligations of the Council, including those financial, in accordance with this Constitution and the Council Bylaws.

Section 2. Each new Member Society must be approved by a two-thirds affirmative vote of the voting members of the Council AdCom, and by the IEEE Technical Activities Board before it may join the Council.

Section 3. If a Member Society does not have any representative present at any of the Council AdCom meetings held during a calendar year and is inactive in Council affairs, the Member Society may be dropped from Council membership. Notice of such proposed action shall be given to the President of the delinquent Society at least twenty days before the Council

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AdCom meeting where such action will be considered. Such action must be approved by two-thirds of the AdCom members present and voting and by the IEEE Technical Activities Board before it becomes final.

Section 4. The officers of the Council shall be as follows: President, Vice-President, Secretary, and Treasurer.

Section 5. Council business will be conducted by its AdCom which will include both voting and non-voting members. The voting members will be:

a. Two representatives to be appointed by each Member Society.

b. The President, Vice-President, Secretary and Treasurer

c. The most recent available immediate past President of the Council.

An individual may not serve concurrently as both a Council officer and a Council Member Society representative. When a Member Society representative is elected to a Council office, the Council office shall take precedence over the Society appointment, and any resulting vacancy(s) shall be filled promptly by the appropriate Society.

Section 6. Each representative and officer on the Council must be an IEEE member.

Section 7. The term of office of a Member Society representative on the Council shall be two years with each of the two Society representatives appointed by the Society in alternate years. No Society representative shall be eligible to serve more than four consecutive years. An unexpired term filled for more than six months shall count as a full year. Reappointment after the completion of any term of four consecutive years may be made only after a lapse of at least one year.

Section 8. When a within-term Council representative vacancy occurs, the Council President shall request the appropriate Society to appoint a representative to complete the unexpired term.

Section 9. The non-voting ex-officio members of the Council AdCom will be:

a. The Director of the Division in which the Council resides.

b. The TAB Staff Secretary.

c. The General Manager of IEEE.

d. The IEEE Vice-President for Technical Activities.

Section 10. Any other IEEE Society which is not a member of the Council may send a non-voting liaison representative to attend for the purpose of establishing lines of communication between the Council and the parent Society represented.

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## ARTICLE IV

## ELECTION AND APPOINTMENT OF OFFICERS

Section 1. Every year, the voting members of the Council AdCom shall elect a President, Vice-President, Secretary and Treasurer at the Annual Meeting. The officers shall serve for one year. No person shall be eligible to serve more than two consecutive one year terms for the same office.

Section 2. Officers shall be elected and appointed in accordance with the rules specified in the Council Bylaws.

Section 3. If the Office of President becomes vacant, the Vice-President shall become President for the remainder of the term assumed. If the office of Vice-President, Secretary or Treasurer becomes vacant, the voting members of the Council AdCom shall elect a new officer promptly.

## ARTICLE V

## POWERS, PRIVILEGES, AND DUTIES

Section 1. It shall be the duty of each representative of a Member Society to participate in matters before the Council AdCom and to keep the Administrative Committee of the Society represented informed concerning Council business. Members of any Member Society AdCom may attend any open meeting of the Council as observers.

Section 2. The duties and responsibilities of the officers and members of the Council AdCom shall be as defined hereunder and in the Bylaws, and as further delineated by the Council.

Section 3. The President shall appoint for a term concurrent with his presidency, the Editors of Council's Periodicals and the Chairpersons of the standing committees of the Council as specified in the bylaws on or before January 1st of the year in which he takes office as President. All appointments shall be made with the advice and consent of the Council AdCom. The Editor and Chairperson appointments need not be made from among the individuals who are on the Council AdCom as Society representatives.

Section 4. The Council President, under the direction of Council AdCom, shall call all regular, annual, and special Council AdCom meetings and shall preside over them. The President shall coordinate and supervise activities of the Council and have such other powers and perform such other duties as may be provided for in the Council Constitution or Bylaws or as may be delegated to the President by vote of the Council AdCom. Included in the President's duties shall be the responsibility to see that the orders and resolutions of the Council, the IEEE Technical Activities Board, the IEEE Executive Committee, and the IEEE Board of Directors are carried out. The President shall be an *ex-officio* member of all standing and special committees of the Council except the Nominating Committee. The President can vote during the election of officers. The President shall also be an *ex-officio* member of the IEEE Technical Activities Board, and, when notified of a meeting of said Board, shall ensure representation of the Council.

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Section 5. Standing committees may be established as needed. With the advice and consent of the Council AdCom, the President shall appoint committee officers (and members, if such action is not specifically delegated in the establishment action of the Council) and shall fill any vacancies that occur during the year.

Individuals appointed as committee officers or members shall serve a nominal term of one year but shall continue to serve until their successors are appointed or the committee is dissolved, except where other terms are specifically designated by the Constitution or Bylaws.

The President may appoint *ad hoc* committees for special assignments as needed.

Section 6. The Vice-President shall assist the President in fulfilling all assigned duties, and shall assume the duties and have the power, privileges, and responsibilities of the President during the latter's absence or incapacity.

Section 7. The Secretary shall be responsible for all reports, petitions and records concerning the Council, keeping true and faithful minutes of all meetings of the Council AdCom, and shall prepare such reports as may be required by the Council, the IEEE Technical Activities Board, or the IEEE Executive Committee. The Secretary shall send out notices when instructed to do so by the President or in accordance with requirements of the Council Constitution or Bylaws. Copies of all meeting notices, minutes of meetings, and letter or bulletins sent and received during the previous two years shall be kept by the Secretary, except for those specifically assigned to the custody of others, and the Secretary shall send current copies to IEEE Headquarters for archival storage.

In the absence or incapacity of the President and Vice-President, the Secretary shall perform the duties of the President and have all Presidential powers, privileges, and responsibilities during the absence or incapacity of the President and Vice-President.

Section 8. The Treasurer shall propose a budget for Council operation to be endorsed by Council AdCom and approved by TAB and shall monitor expenditures to verify that they are in accordance with the approved budget. The Treasurer shall prepare financial reports as requested by the Council President, and shall keep the Treasurers of the Member Societies informed on Council financial matters affecting their budgets. The Council Treasurer shall approve the Conference budgets after they are approved by the Meetings Committee prior to being forwarded to IEEE Headquarters for review and final approval.

The Treasurer may utilize the services of IEEE headquarters as bursar for all or part of the Council funds, as provided by the IEEE Bylaws and Statements of Policy. If any parts of the Council funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to Council Bylaws and any other limitations imposed by the Council. Disbursements shall be made on the signature or instructions of the Treasurer. If the Treasurer is disabled or unable to serve, the President may make disbursements during his incapacity.

Section 9. The President, elected and appointed officers shall normally assume office on January 1st or as soon thereafter as practicable.

Section 10. The officially constituted officers of the Council shall have the sole authority to obligate the funds and assets of the Council to promote the Council's activities, provided that no Council officer or representative shall have authority to contract debts for, pledge the credit of, or in any way bind the IEEE for activities prohibited by the Bylaws of the IEEE or the Constitution and Bylaws of the Council.

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Section 11. No officer of the Council, representative on Council AdCom, or Editor shall receive, directly or indirectly, any honorarium, traveling expenses, compensation, or emolument from the Council as an officer or in any other capacity unless authorized by Council AdCom or by the Bylaws of the Council in a manner in conformity with IEEE policies and procedures.

## ARTICLE VI

## FINANCIAL SUPPORT & EXPENDITURES

Section 1. The financial support for the Council shall be derived from subscription sales of Council Publications, any surplus from the Conferences organized or sponsored by the Council, other programs and products sponsored by the Council, and allocations of funds provided by the Member Societies.

Section 2. The Council may raise revenues by other means provided such means are consistent with applicable IEEE rules and regulations and are within the approved Council field of interest. The Council must receive an opinion from the General Manager of the IEEE that any revenue means not explicitly covered by IEEE Statements of Policy does not conflict with IEEE policy before being adopted by the Council.

Section 3. Monies held by or for the Council legally belong to the IEEE, and shall not be expended for activities prohibited by the Constitution, Bylaws and Statements of Policy of the Institute, the Constitution and Bylaws of the Council, or any other purposes known to be inimical to the interests of the IEEE. Returns from investment of Council funds shall be credited to the Council.

## ARTICLE VII

## COUNCIL MEETINGS

Section 1. The Council shall hold an Annual Meeting. Additional meetings of the Council, represented by its AdCom, may be held at such times as are found necessary or convenient. Meetings of the Council AdCom may be called at the discretion of the Council President or upon request by at least four AdCom members. The time, place and agenda shall be announced to all members of the Council AdCom at least twenty days in advance of the meeting, or by first-class mail to the address of record of each Council AdCom Member at least twenty-five days in advance of the meeting.

Section 2. The Annual meeting of the Council shall normally be the last AdCom meeting of the year held at a time and place designated by the President.

Section 3. One-third of the voting members of the Council AdCom, which must include representatives from at least one-third of the Member Societies, shall constitute a quorum. Written proxies will not be accepted in determining the quorum. The Chairperson of the Publications Committee, and the Chairperson of the Meetings Committee, the Secretary, and the Treasurer shall be *ex-officio* members of the Council with a vote on all matters except election of officers and changes to the Constitution and Bylaws. If the offices of Secretary and Treasurer are combined, there shall be one vote by the officer.

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Section 4. If a regular representative from a Member Society is unable to attend a meeting of the Council AdCom, the President of the Member Society may designate an alternate by a letter of proxy, who shall have all the powers of the regular representative. Officers of the Council may not delegate their powers by proxy.

Section 5. Business of the Council may be transacted by correspondence, or other telecommunication means where in the opinion of the President matters requiring action can be adequately handled in that manner. All voting members of the Council should be informed on such interim actions, and a majority of the entire Council must be reached for ratification of the actions, if balloting is necessary, unless otherwise provided by the Constitution or Bylaws.

Section 6. If less than a quorum is in attendance at duly called meetings, tentative actions may be taken that will become effective upon subsequent ratification, either at a subsequent meeting or by mail, as specified in Section 5 above.

## ARTICLE VIII

## PUBLICATIONS

Section 1. All Council publication activities shall be subject to IEEE policies, and to any further guidance or controls prescribed by the Council AdCom or its duly appointed committees.

Section 2. The Council may publish appropriate Periodicals in accordance with IEEE Policies and Procedures. Selection of the published material shall be in accordance with the objectives and policies of IEEE and the Council.

Section 3. The Council President, with the advice and consent of the Council AdCom, shall appoint the Editors who shall in turn appoint associate and/or guest editors as may be required to implement the publications program.

## ARTICLE IX

## CONFERENCES AND TECHNICAL MEETINGS

Section 1. All Council conferences and technical meeting activities shall be subject to IEEE policies, and to any further guidance or controls prescribed by the Council or its duly-appointed committees.

Section 2. The Council shall determine the time and location of each sponsored Conference and technical meeting. Furthermore, the Council shall not be bound by any agreements, within or without IEEE, made prior to ratification of this Constitution.

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## ARTICLE X

## RECALL

Section 1. If at any time during the year and for any reason the best interests of the Council seem to require a change in Member Society representatives or officers, the matter shall be discussed at a regular or a special meeting of the Council AdCom called for the purpose of considering and voting upon the recommended change. At least twenty days before the Council AdCom meeting, notice of such proposed action shall be given to all appropriately interested individuals, including the President and Secretary of each Member Society involved and the Chairman and Secretary of the IEEE Technical Activities Board.

Section 2. An affirmative vote of two-thirds of the voting members of the Council AdCom shall be necessary to declare a vacancy for cause.

For the purposes of this Section, an abstention shall be counted as a cast negative vote.

## ARTICLE XI

## AMENDMENTS

Section 1. Sections of this Constitution may be adopted or amended by action of the Council at a regular or special meeting if the following provisions are met:

a. Notice of the meeting and of the proposed change(s) must be mailed by first-class mail to the last-known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

b. A two-thirds affirmative vote of the votes cast by the members of the Council AdCom is required for passage.

c. An amendment may be approved by a mail ballot if at least a thirty-day period is provided for responses, and two-thirds of the entire Council AdCom votes affirmatively.

d. The Amendment shall become effective immediately after ratification by the IEEE Technical Activities Board.

Section 2. Bylaws to this Constitution may be adopted or amended by a two-thirds affirmative vote of the votes cast by the Council AdCom at a regular or special meeting, provided that notice of the meeting and a copy of the proposed change(s) is mailed by first-class mail to the last known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

A Bylaw may also be adopted or amended by a mail ballot provided that a copy of the proposed change(s) is mailed to the last known address of each member of Council AdCom, at least thirty days are allowed for a reply, and a majority of the entire Council AdCom votes affirmatively.

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The new Bylaw or Amendment shall be filed with the Secretary of the IEEE Technical Activities Board at least twenty days prior to the effective date.

Section 3. The Constitution, Bylaws, and Statements of Policy of the IEEE shall, at all times, take precedence over those of the Council.

Section 4. All amendments to the Constitution or Bylaws shall become effective immediately after all required approvals have been obtained, unless a later date has been specified at the time of the vote.

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Constitution Adopted November 17, 1989

To Be Effective January 1, 1990

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# BYLAWS

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# BYLAWS FOR THE

# IEEE COUNCIL ON NEURAL NETWORKS

These Bylaws provide detailed guidance for the supervision and management of Council affairs, in accordance with the Council Constitution. Amendments or additions may be made by means of the procedures described in Article XI, Section 2, of the Constitution.

## ARTICLE I

## RULES OF ORDER

Section 1. In all matters not covered by the Constitution, Bylaws, and Rules, the Council shall be governed by the latest edition of Robert's Rules of Order.

## ARTICLE II

## MEMBER SOCIETIES

Section 1. The Member Societies of the Council shall be those formally admitted by the IEEE Technical Activities Board in accordance with the Council Constitution. A current listing of Member Societies will be maintained by the TAB Secretary at IEEE Headquarters.

Section 2. Any Member Society unwilling or unable to continue to share responsibilities as defined in the Council Constitution may resign from the Council. When a letter of resignation has been received by the Council Secretary, the resigning Society shall be dropped from the Council roll at the end of the calendar year. Any former Member Society may later rejoin, without prejudice, on the same basis as any new applicant.

## ARTICLE III

## NOMINATIONS, ELECTIONS, AND APPOINTMENTS

Section 1. The Nominating Committee, which is a Standing Committee of the Council, shall consist of a Chairperson and three other members. At least one shall not be a current Council member but shall belong to at least one Member Society. The officers of the Council may not serve on the Nominating Committee nor be members *ex-officio*.

Section 2. The Chairperson of the Nominating Committee shall consult with each candidate prior to nomination to determine willingness to serve if elected.

Section 3. The Nominating Committee shall be guided in its selections by the principles of efficiency, geographical distribution, past history, and technical interest.

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Section 4. The Chairperson of the Nominating Committee shall submit the Committee Report to the Council AdCom at the beginning of its Annual Meeting, or with the approval of the Council President, by letter to all qualified voting officers and representatives on the Council AdCom prior to the Annual Meeting. From the floor of the same meeting or by letters mailed to the entire Council AdCom, the officers and representatives may make additional nominations.

Section 5. The names of any candidates of the Council who are not eligible under the Constitution or Bylaws shall be withdrawn by the President of the Council.

Section 6. Election of the officers, whenever a vacancy exists, shall be from those nominates as specified in these Bylaws, Article III, Sections 2, 3, 4, and 5. Elections shall be by secret ballot of the voting members of the Council AdCom. For the first year of operation of the Council, the officers must be elected by secret ballot directly by the Council AdCom. Nominations must be made by the voting AdCom members.

Section 7. If any Council office becomes vacant at any time during the year, and if the vacant office cannot be filled by logical succession of an existing Council officer as described in the Constitution and Bylaws, the Council will promptly hold an election to fill the existing vacancy. As needed, elections shall be held separately for the offices of President, Vice-President in that order. To be elected, a nominee must receive a majority of the proper votes cast. If no candidate receives a majority on a ballot, the name of the candidate receiving the smallest vote shall be withdrawn and a second ballot taken. This procedure shall be repeated until one candidate receives a majority vote.

The Council AdCom may hold contingent elections to be effective if an elected officer fails to accept office, is disapproved by IEEE Headquarters because there has been some irregularity in the nominations and election procedures, or has failed to maintain IEEE membership and Society membership.

Section 8. The President of the Council shall inform each successful candidate of his election and shall arrange for the transfer of responsibility. The name of each elected officer shall be reported to the Chairman and Secretary of the IEEE Technical Activities Board.

## ARTICLE IV

## STANDING COMMITTEES

Section 1. The Standing Committees shall include the following:

Meetings Committee
Publications Committee
Nominating Committee
Constitution and Bylaws Committee

Section 2. The Council may establish such additional Standing Committees as may be deemed desirable.

Section 3. Each Standing Committee shall have the power to create subcommittees of its own selection.

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Section 4. The organization of each Conference or Technical Meeting sponsored by the Council shall include a Steering Committee and a Program Committee whose Chairperson shall be appointed by the President upon the recommendation of the Meetings Committee and with the advice and consent of the Council AdCom. The individual members of the respective committees should be appointed by the above officials. The Meetings Committee, with approval of the Council, may plan, organize and sponsor other activities held in conjunction with Conferences of other societies.

Section 5. The Publications Committee shall establish publication policy subject to annual review by the Council. It shall assist the appropriate Editors of Council Periodicals in the choice of special topics and in guiding and planning all Publications.

Editors may designate associate editors, special guest editors, and manuscript reviewers, doing so in accordance with general IEEE statements of Policy.

Editorial expenses must be in accordance with an annual budget approved by the Council. Editors may authorize publication expenses, but shall be responsible for adherence to the publication budget.

Section 6. The Nominating Committee shall be appointed by the President of the Council in accordance with the provisions of the Constitution and Article III, Section 1, of these Bylaws. It shall have the duties described in Article III, Sections 1, 2, 3, 4, of these Bylaws. the Chairperson of the Nominating Committee shall be the Past President of the Council.

Section 7. The Secretary of the Council shall serve as the Chairperson of the Constitution and Bylaws Committee. Additional members may be appointed by the President upon request of the Council's AdCom.

The functions of the Constitution and Bylaws Committee will be to:

a. Maintain up-to-date copies of the Constitution and Bylaws and make them available upon request.

b. Ascertain that the Constitution and Bylaws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution or Bylaws as necessary to conform to the development of the Council or to changes by IEEE Headquarters.

d. The Chairperson of the Constitution and Bylaws Committee shall serve as Parliamentarian and Consultant on Procedural matters at meetings of the Council AdCom.

## ARTICLE V

## FINANCES

Section 1. The Treasurer shall submit a proposed Council budget for the ensuing year in accordance with IEEE budget development guidelines. When approved by the Council and the TAB , this budget shall become the working budget for the following year. This approved budget will constitute authorization to the Treasurer to disburse the funds in amounts not to exceed any budgeted item.

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The Treasurer shall be responsible for forwarding to IEEE Headquarters the approved budget, and Headquarters will be thereby authorized to disburse the funds in accordance with instructions from the Treasurer.

The Treasurer shall obtain a financial statement of receipts, expenditures, and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all members of the Council AdCom. The treasurer shall also keep a running account of commitments to date.

Section 2. The financial support for the Council shall be derived from the income from sales of the Council Periodicals, Books and IEEE Press publications, and from its share of any surplus from the Council sponsored Conferences. The Periodicals subscription prices to members of the Council Member Societies shall be set to be no less than self-sustaining.

Section 3. In the event of a distribution of surplus, or payment of a deficit, during the first year of publication of a Council periodical, each Council Member Society shall receive or pay an equal share.

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years of publication of a Council periodical, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the periodicals as of September 30th. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

Section 5. The Treasurer of Council sponsored Conferences is authorized to open an account in the Conference's name, to be used for the deposit and disbursement of funds related to the Conference. The Council shall be advised of the name of the bank, the anticipated size of the account, the names of the account, signatories and of arrangements for insurance and bonding, all of which must be in accordance with IEEE policies and procedures.

## ARTICLE VI

## COUNCIL MEETINGS

Section 1. The Secretary shall announce to the members of the Council AdCom all Chairpersons of Standing and Special Committees and appropriate guests of the time, place, and agenda of all meetings of the Council AdCom at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. A roll call shall be made at the beginning of each Council AdCom meeting. The Secretary shall record the names of those present and announce whether a quorum exists.

Section 3. The Secretary shall transmit in writing within ten days of their adoption all motions, directives, or orders of the Council to the persons affected. The secretary shall transmit a copy of the minutes of the Council AdCom to the officers, members of the Council AdCom, Chairpersons of the Standing and Special Committees, and to the Secretary of the IEEE Technical Activities Board within thirty days of the meeting. As soon after January 1st as practicable, the Secretary shall provide a directory listing the names and address of all of the above-mentioned people to each person named therein.

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Section 4. The Chairpersons of all Standing Committees who are not voting members of AdCom shall be invited to attend all meetings of the Council AdCom as guests and advisors.

Section 5. Meetings of the Council AdCom may be cancelled only by consent of a majority of all the members of the Council not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given all Council AdCom members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 6. Meetings of the Council AdCom may be held at international or regional technical meetings or conventions of the IEEE, jointly with a Section, separately, or jointly with another society, whenever such a meeting is deemed desirable by the Council.

Bylaws adopted Friday, November 17, 1989.

To be effective January 1, 1990

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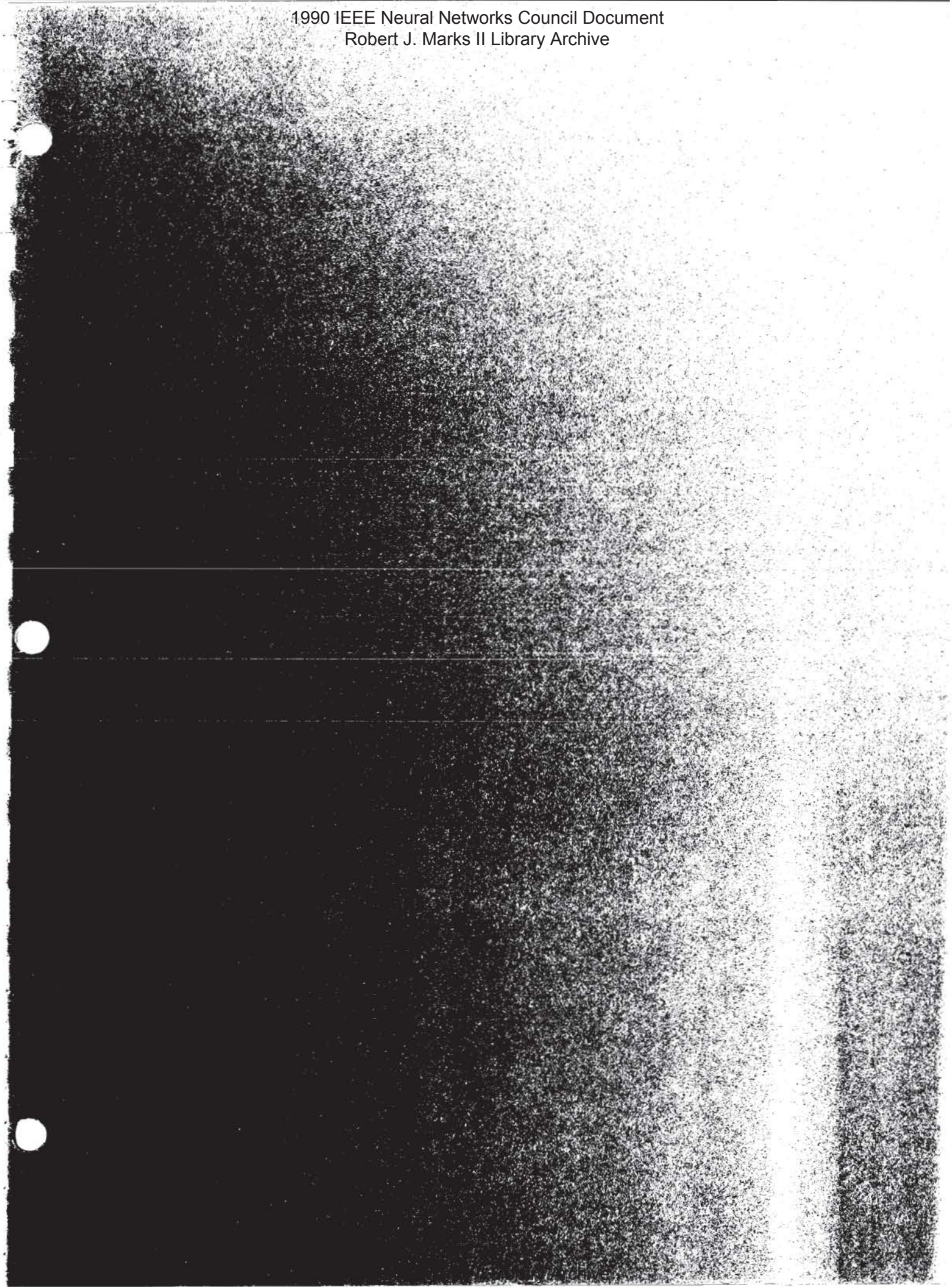

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Master Copy

IEEE

**NEURAL NETWORKS**

Robert J. Marks II, President
*IEEE Council on Neural Networks (ICONN)*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

1-05-90

Dear ICONN AdCom Members:

The next meeting of the *IEEE Council on Neural Networks* will be in the Capital Room of the Omni Shoreham Hotel on Tuesday, January 16, 1990 at 6:30 PM.

♦♦♦

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# Proposed Agenda

## *IEEE Council on Neural Networks*

## *1-16-90*

- ♦ Approval of Agenda
- ♦ Approval of Minutes of November 26, 1989 AdCom Meeting — TAB 1 ⇒
- ♦ **REPORTS & DISCUSSION ITEMS**
  - • Officer Reports
    - ° President's Report (Marks)
    - ° Vice-President's Report (Eberhart)
    - ° Treasurer's Report (Simpson/Eberhart)
    - ° Secretary's Report (Tzanakou)
    - ° Editor's Report (Rauch)
  - • Standing Committee Reports
    - ° Meetings Committee (&IOC) (Newcomb)
      - * *IOC* (Newcomb)
      - * *IJCNN Summer '90* (Karplus)
      - * Session Chair Support (Marks) — TAB 2 ⇒
    - ° Nominations Committee (Rauch/Eberhart)
    - ° Awards Committee (Dickinson)
    - ° Other
  - • *Ad Hoc* Committee Reports
    - ° Glossary (Tzanakou/Eberhart)
  - • Discussion Items
    - ° *ICONN* Newsletter (Rosalyn & Wes Snyder)
    - ° *ICONN Workshops* (Marks)
    - ° *ICONN Student Fellowships* (Eberhart)
    - ° Logo registration status (Eberhart)
  - • Other

- ♦ **ACTION ITEMS**

***Old Business***

- • Election of Treasurer (Marks)
- • *ICONN* Membership
  - ° *IEEE Industry Applications Society* Petition (Nutter/Cook) — TAB 3 ⇒
  - ° *IEEE Oceanic Engineering Society* Petition (Simpson/Trueblood) — TAB 4 ⇒
- • Meetings Issues
  - ° IJCNN '90 Budget Approval
  - ° Session Chair Support — TAB 2 ⇒
- • Other

***New Business***

- ♦ **ADJOURN**

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# MINUTES OF THE IEEE-NNC MEETING

## NOVEMBER 26, 1989

## SHERATON DENVER TECHNICAL CENTER, CO.

R. J. Marks II Presiding:

The meeting came in session at 1:33 pm. The following NNC members were present: R. Eberhart, J. W. Goodman, R. J. Marks, R. Newcomb, H. Rauch, E. Tzanakou, W. Snyder W. J. Karplus (ex officio) and A. Ephremides.

Introductions were made and proxies presented. Oral and written proxies were discussed. Only the written ones were accepted. Those were F. Aldana's to W. Snyder and T. Nagle's to R. Eberhart.

The proposed agenda with addenda was introduced by R. Marks and was adopted as modified.

The minutes of the June 18th meeting were approved with minor corrections (mostly typos). (*Attachment* 1).

Robert Marks in the chairman's report indicated that the NNC petition to become a Council as of January 1, 1990 was approved by the Technical Activities Board (TAB). The IEEE Council on Neural Networks will be an ex officio member of TAB. The status of the current meeting is as both a Committee and Council. According to the Constitution and Bylaws of the Council, four officers are to be elected to do business for the CNN.

R. Newcomb is the new chairman of the IJCNN Oversight Committee (IOC) as N. Declaris stepped down from this post. R. Eberhart was appointed as the Financial Chair for the IJCNN meeting in January 1990. F. Aldana and Chris Johnson stepped down from the IOC as well.



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As a Council, we now have new committees such as a Standings Committee, a Meetings Committee, Publications and Nominations Committee and a Constitution and Bylaws Committee. The latter is Chaired by the Secretary of the CNN.

In the Treasurer's report, R. Eberhart reported on the status of the books of the two previous conferences in June 1988 in San Diego (ICNN '88) and June 1989 in Washington, D.C. (IJCNN '89). The total surplus in 1988 was over $78,000 and the IEEE NNC receives half of that. The other half goes to the IEEE San Diego Section. The estimated total surplus for the 1989 IJCNN is estimated at $170,000 and the IEEE NNC receives half of that. The other half goes to the International Neural Networks Society (INNS). (*Attachment* 2).

In the secretary's report, E. Tzanakou requested that all motions be submitted in writing prior to voting and that they also be read over prior to voting.

H. Rauch gave an update on the status of the IEEE Transactions on Neural Networks. The material for the first issue is ready and the mailing is expected around March 1, 1990. As of November 1, 1989 there have been 35 papers submitted of which ten were accepted for the first issue, eight were rejected and seventeen papers are still under review. In addition there were seven "Letters" submitted, three of which are informational and were solicited and have been accepted. Of the four technical letters, one has been accepted, one rejected and two are still under review. H. Rauch said that he would like to make the Transactions six issues per year by 1991. The estimated subscription was 4,000 members plus 1,000 for libraries. The number at the time of the report is about 2,000.

The IJCNN Oversight Committee (IOC) report was given by R. Newcomb. The results of the November 25, 1989 meeting were summarized as follows: (1) A new agreement between CNN and INNS was drafted that generally subsumes the previous one but spells out some specifics on operations and clarifies the IOC code as a monitor. An IOC Constitution and Bylaws will also be adopted, (2) A proposed schedule for meetings in the years to come was submitted that has one main meeting in North America and one other outside North America alternating between Europe and Pacific. (*Attachment* #3) R. Newcomb also discussed setting of guidelines for tutorial speakers. He announced that the next IOC meeting will take place in Washington D.C. at the IJCNN at 9:30 am Monday, January 15, 1990.



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The next report was given by W. Karplus who discussed budget issues for the San Diego 1990 IJCNN Conference. The subject of reimbursing the organizing committee members for travel was discussed as well as the fee and travel expenses for the keynote speaker. A motion was made that "the Neural Networks Committee not approve the proposed contract with J. Burke, unless the total amount is reduced to $5,000 including all expenses". The motion was seconded, discussed, voted upon and passed. A second motion by Russ Eberhart "that all reimbursements for travel for session organizers for the 1990 IJCNN in San Diego be on the basis of need, under the item by item control of the General Chairman", passed as well.

A. Ephremides said that he intends to push ahead in the coming year for the Volunteer restructuring proposal.

Next, the motion on secretarial support by R. Marks was discussed and passed as amended. "Up to $7500 is alloted for secretarial support at the discretion of the Chair. The amount can be applied retroactively". Also, the motion "the NNC/CNN approve not more than $600 in funds for the registering of the logo in the upper right hand corner of the stationary, the conference title International Conference on Neural Networks as well as the initials ICNN" passed.

The Neural Networks "Glossary" was discussed next. R. Eberhart suggested that we should have a terminology committee for some standards in nomenclature. H. Rauch suggested opening a dialogue through the Transactions. So, an ad hoc committee on standards was formed consisting of R. Eberhart, W. Snyder and E. Tzanakou (Chair) with a deadline of February 1, 1990. R. Eberhart will write a letter with some commonly used terms and invite others to offer definitions and/or other terms for discussion.

The awards committee was discussed then and the idea of the best paper of the year was adopted.

The formation of a CNN fellows committee was discussed and possible members were suggested such as E. Posner (Chair), B. Newcomb and B. Widrow.



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At this point elections for the Council members for the year 1990 took place by secret ballot. The nominations were made from the floor and the results of the elections are as follows:

Robert Marks II, President
Russ Eberhart, Vice President
Evangelia Tzanakou, Secretary

R. Eberhart will also serve as Treasurer until one gets elected.

After a short recess for dinner the meeting was resumed at 6:30 pm.

The Newsletter was discussed at length. R. Eberhart suggested that a formal proposal be submitted in the next meeting. H. Rauch made the point that since there is no formal subscription for the Transactions, the Newsletter is not necessary. R. Newcomb thinks that a newsletter will be very helpful, but we need someone to champion it before we push on it.

H. Rauch then discussed the publicity of the Transactions. R. Eberhart made the motion "to approve up to $2,000 for Transactions publicity at the discretion of the Editor". This motion carried. M. Roth was approved as an Associate Editor of the Transactions.

H. Rauch also moved "to approve the purchase of 1,000 extra copies of the first issue of the IEEE Transactions on Neural Networks, not to exceed $2,500 total" for distribution in the January meeting. The motion passed.

Two motions by W. Snyder were tabled until January. The motions read as follows: (1) I move that the CNN go on record as never approving any budget for IJCNN's after 1990 which contain reimbursements for Session Chair travel, and (2) I move that the CNN go on record as encouraging future IJCNN budgets to contain a $20,000 discretionary fund for the general chair.

R. Marks will write letters to the newly accepted Societies about their admission to the Council.

R. Newcomb moved that "the proposed IJCNN meeting schedule be approved, as far as times and locations, as a working schedule through 1992 and conceptually approved overall". The motion passed.



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R. Eberhart moved that "the President of the CNN, at his or her discretion, be able to help pay travel expenses to those who could not otherwise attend the ADCOM meeting. The request for travel expenses must be made in writing prior to the meeting". The motion passed.

A similar motion by R. Marks on TAB meetings also carried.

The letter by T. Nagel dated September 18, 1989 points out that no agreement was ever signed between the IEEE Neural Networks Committee and the San Diego Section and that the only official action between the two parties was the approval of the ICNN 88 Conference budget. (*Attachment* 4).

The meeting adjourned at 7:35 pm.



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ATTACHMENT 1

MINUTES OF THE IEEE-NNC MEETING

June 18, 1989

Sheraton Washington Hotel, Washington, D.C.

---

R. J. Marks II presiding.

The meeting came to order. The following NNC members were present: F. Aldana, K. Bakhru, N. DeClaris, B. Dickinson, R. Eberhart, B. H. Juang, R. Marks, T. Nagle, E. Posner, H. Rauch, W. Snyder, E. Tzanakou; and five observers: M. Aronstein, M. Roth, P. K. Simpson, R. D. Trueblood and A. Ephremides.

The agenda was discussed and approved. Minutes were approved as amended. One change was made, namely that R. Eberhart was an NNC member as of the Denver meeting.

A report on past accomplishments was given by R. Marks. These accomplishments included the agreement between the INNS and IEEE and the tentative approval of the IEEE Neural Networks Transactions.

Troy Nagle reviewed the financial status of the 1988 conference. As of the end of April, the IEEE account had a $25,500 balance with $16,000 loan to this year's committee. Mr. Aronstein, Chairman of the San Diego Section, said that the books can be closed out soon.

The next item on the agenda was governance. T. Ephremides took nominations from the floor. R. Marks and F. Aldana were nominated for Chairman. They left the room so that elections could take place. R. Marks was elected Chairman. E. Tzanakou was nominated for Secretary. She was elected by acclamation. W. Snyder was nominated for Treasurer but declined. He then nominated R. Eberhart who was elected by acclamation.

The Constitution of the Neural Networks IEEE Committee was then brought up for adoption as it appeared in the blue book (distributed). It was unanimously approved with minor corrections.

A proposed Constitution for the IEEE Council on Neural Networks was brought up for discussion. It was noted that this constitution would have to be presented to the Technical Activities Board (TAB) and be approved by the NNC. Becoming a Council is the next step up the IEEE ladder. Because the NNC will be publishing a Transactions as well as running the IJCNN, it is appropriate that it becomes a council, a more formal organization. Proper campaigning with the TAB members was recommended.



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A motion by H. Rauch (seconded by R. Eberhart) followed to proceed with the council status. All were in favor but one. T. Ephremides, H. Rauch and W. Snyder were then appointed as a subcommittee to "fine tune" the IEEE council proposal. The field of interest was discussed at length. The above mentioned three member subcommittee will craft the version to be presented to the TAB. The same version will be reviewed by T. Nagle, then a mail vote will be taken by mid October. The motion was passed.

Herb Rauch then took the floor to discuss the upcoming Transactions. He passed out a description of the publication, a copy of which is attached as Appendix A. In addition to the twelve Associate Editors already suggested, two more Associate Editors, Scott Kirkpatrick and Erkka Oja were suggested.

Sections on papers, short papers and letters will be established. Papers and short papers will be reviewed identically, letters will undergo a different review process that facilitates quick publication. The scope of the Transactions was discussed, and several changes were suggested. The document will be mailed to the Editorial Board for suggestions and approval. A motion for the approval of the Associate Editors was made, seconded and approved.

The conference status was then brought up by Bob Marks. W. Snyder discussed the status of the IJCNN '89 conference. He said it is a "success" with three cost centers (exhibits, tutorials, and registration) all in the black.

A discussion followed that if needed, Bob Marks will write to Society presidents, on behalf of any individual member, requesting that the Society help cover expenses to the NNC meetings. It was moved (F. Aldana) that the Chairman of the NNC at his or her discretion, be able to help pay travel expenses of those who could not otherwise attend the meeting. The request for travel expenses must be made and approved in advance of the meeting. The motion was unanimously approved. At this point, another motion was made for the requirement of "in advance" of the previous motion, being removed for this year's meeting. The motion was unanimously approved.

A report of the Oversight Committee followed. Nick DeClaris reported on the 1990 and 1991 organizations and plans. He mentioned that tab #8 from the circular is withdrawn from consideration since a number of problems exist. Discussion took place as to who chooses the place of a conference and whether the Oversight Committee should have the power to make that decision and that decision being discussed by the NNC. The issues of how much ahead of time decisions should be made about locale and people running the conference were discussed. During the discussion about the '91 Conference a motion was made by R. Eberhart. The motion is that..."the oversight committee following this conference cannot hold or assume major leadership roles in the conferences while they are on the Oversight



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Committee". After a long discussion -- sometimes very confusing-- the motion was passed (6 for it, 5 against it). The 1991 conference will take place in Seattle, (IEEE sponsored). A motion was placed by F. Aldana that "the five members of the Oversight Committee who belong to the IEEE-NNC should act as the meetings committee of the NNC." The motion passed unanimously.

T. Ephremides brought up the Region 10 meetings outside the U.S. and that TAB will match the amount that the societies will contribute for one or two representatives to these meetings. The current plan is one in India, one in Singapore and a couple in Australia. If we choose to participate in this series of colloquia we should designate one or two people to participate. R. Eberhart moved that up to $5,000 be allocated as matching funds for this traveling to the IEEE Symposia in Asia. Motion was carried unanimously.

It was decided that the next meeting will be on Sunday, November 26, 1989 at 1:30 p.m. at the NIPS Meeting.

M. Aronstein brought up the issue of percentage interest for the San Diego section in the IJCNN '90 meeting. The issue was tabled.

The meeting was then adjourned.



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ATTACHMENT 2

# IEEE NEURAL NETWORK COMMITTEE
# FINANCIAL SUMMARY ESTIMATE
# 11/24/89

INCOME

| | |
|---|---|
| ICNN 1988 Surplus [redacted] | $78,765 |
| Current balance [redacted] IJCNN 1989 (estimate) | 190,000 |
| (may be additional pmt fm IEEE book broker) | |
| Estimated total | $ 268,765 |

EXPENSES AND COMMITMENTS

| | |
|---|---|
| Committee [redacted] work | $ 8,015.53 |
| | 339.33 |
| Transactions [redacted] | |
| [redacted] IJCNN Summer 1990 | 61,056.59 |
| | 530.00 |
| IJCNN Summer 1991 | |
| IJCNN 1989 remaining bills (estimate) | 20,000 |
| INNS 50% of IJCNN 89 Surplus (estimate) | 85,000 |
| Estimated total | $ 174,941.45 |

ESTIMATED NET WORTH
$ 93,823.55

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ATTACHMENT 3

The following table summarized the preliminary planning thru 1995:

| Lead Society | Year | Month | Location |
|---|---|---|---|
| INNS | 1990 | January | Washington, DC |
| IEEE | 1990 | June | San Diego |
| INNS | 1991 | July | Seattle |
| IEEE | 1991 | October | Singapore |
| IEEE | 1992 | Apr/Jun | Washington, DC |
| INNS | 1992 | late Oct | Brussels |
| INNS | 1993 | June | SF/Vancouver |
| IEEE | 1993 | October | Japan |
| IEEE | 1994 | June | Philadelphia |
| INNS | 1994 | October | Spain |
| INNS | 1995 | June | West Coast US |
| IEEE | 1995 | October | Hawaii/London |

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(E)

North Carolina State University
Department of Electrical and Computer Engineering

Box 7911
Raleigh, NC 27695-7911
919-737-2336

September 18, 1989

Professor Robert W. Newcomb
Microsystems Laboratory
Electrical Engineering
University of Maryland
College Park, MD 20742

Dear Prof. Newcomb:

Inclosed is the Budget that was approved by the San Diego Section and the IEEE Neural Networks Committee for ICNN88. As part of the budget development process, the IEEE NNC (represented by me as its Chair) and the San Diego Section (represented by Robert Hecht-Nielsen as appointed by the Section Chair, Larry Hamerman) agreed to bring to the our respective entities the IEEE ICNN88 Conference Plan that you will find attached to the ICNN88 Budget. The attachment was included as part of the ICNN88 approved budget and the San Diego Section did in fact share the surplus with the IEEE NNC on and equal basis, as was specified in the Conference Plan. The IEEE NNC and the San Diego Section agreed that the document as proposed was a mixture of 1988 details and a general charter agreement, and that the general charter items should be separated and refined so that all parties could sign the agreement and end the controversy that began with the 1987 conference. The Region 6 Director in office at that time, Dick Doyle, was to refine the wording of a separate general charter agreement with the Section and Robert Hecht-Nielsen (the text was in his Company's word processor). I was prepared (and authorized by the IEEE NNC) to sign a general agreement that conformed to the Conference Plan as attached to the budget for the 1988 Conference. The refined general charter was to be signed during the fall of 1988. Meanwhile, in early December, 1988, the IEEE NNC negotiated a merger of the ICNN with the INNS Annual Meeting to become the IJCNN Series of Conferences. The agreement with

State University is a land-grant university and a constituent institution of The University of North Carolina.
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the INNS was written so as to preserve spirit of the earlier agreement with the San Diego Section. I was an observer to the negotiations between the INNS and the IEEE NNC for the expressed purpose of seeing that the spirit of the agreement, as I understood it, was preserved. In December 1988, I resigned as Chair of the NNC due to my election as VP Technical Activities, and Robert Marks subsequently became the IEEE NNC Chair. To the best of my knowledge, the final agreement between the IEEE Neural Networks Committee and the San Diego Section has not been signed. The only official action taken by the both parties was the approval of the ICNN88 Conference budget to which the terms of cosponsorship were attached.

I hope that this helps clarify the issues involved. I must apologize for not completing the agreement with the San Diego section before my resignation as Chair of the IEEE NNC. Dick Doyle was to see that a charter that was acceptable to the San Diego Section was prepared. He was to sign it himself and have the Section Chair sign it, and then I was to sign it if it agreed with the terms as expressed in the ICNN88 Budget. If it deviated from the terms as detailed in the ICNN88 Budget attachment, then I was to bring it back to the NNC for its ratification.

Your Oversight Committee has a lot of work ahead. If you plan to have a meeting at NIPS in Denver, I will make every effort to attend (if requested to do so) to explain the rather complicated chain of events that led up to the terms of the compromise worked out by Robert Hecht-Nielsen and me as detailed in the ICNN88 Budget attachment.

Sincerely,

H. Troy Nagle
Professor

cc: Robert Marks, Chair, IEEE NNC
Allen Stubberud, Director, IEEE Region 6
Michael Aronstein, Past Chair, IEEE San Diego Section

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NEURAL NETWORKS

Robert J. Marks II, President
IEEE Council on Neural Networks
University of Washington
Interactive Systems Design Laboratory
Dept. of Electrical Engineering, FT-10
Seattle, Washington 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

January 3, 1990

Professor Robert W. Newcomb, Chair
IJCNN Oversight Committee (IOC)
Microsystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD 20742

Dear Bob,

The attached letter is the latest in a series of queries with regard to IJCNN support of session organizers and chairs. I, thus, will propose as an "ex officio" member of the IOC, the following motion:

> "No session organizers or chairs attending IJCNN's shall be compensated for their travel in relation to performance of these duties."

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

cc: Evangelia Tzanakou, ICONN Secretary
Bernie Widrow, INNS President



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**IEEE** **TECHNICAL ACTIVITIES BOARD**

**TAB MEETINGS COMMITTEE**
Dov Jaron, Chairman

PLEASE REPLY TO:
Biomedical Engineering and
Science Institute
Drexel University
32nd and Chestnut Streets
Philadelphia, PA 19104 USA
(215) 895-2215

December 28, 1989

Professor Robert J. Marks, II
Chair, IEEE Neural Networks Committee
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98185

Dear Bob:

Thank-you for your letter of December 4th in which you report on the status of the Neural Networks Conference. As you mention in your report, there have been two primary irregularities in previous conferences: excessive travel support for session chairs and large fees paid to presenters of tutorials.

Your report indicates the actions taken to correct the first irregularity but does not speak to the second.

I would appreciate receiving information about the level of fees that are being paid for tutorials and whether they conform to IEEE guidelines; if not, what corrective actions have been put in place.

Sincerely,

Dov Jaron, Ph.D.

DJ/tw
Attachment
cc: Eric Herz
Irving Engelson
Melvin Olken



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IEEE

NEURAL NETWORKS

December 4, 1989

Dr. Dov Jaron
Biomedical Engineering and Science Institute
Drexel University
Philadelphia, PA 19104

Dear Dov,

At your request, I am providing a summary of Conference Activities of the *(IEEE Council on Neural Networks)*. All of the conferences thus far have been huge technical successes. The current series of International Joint Conferences on Neural Networks (IJCNN's) are currently the most visible and largest conferences in the world on the topic. There have been, however, numerous problems in the management of the conferences. It is these issues I will primarily address.

The International Conferences on Neural Networks were held in San Diego in the summer of 1987 and 1988. The primary irregularities in these conferences were excessive travel support for session Chairs and the large fees paid to presenters of tutorials.

At the 1988 meeting of the Planning Committee for the 1989 Conference, a procedure was discussed whereby session Chairs could be reimbursed for travel based on hardship only. The program Chair for the Conference (now the IJCNN) ignored the spirit of the agreement and informed all session Chairs that travel would be reimbursed from the NNC upon petition.

The Conference Chairs (Al Stubberud, currently Division VI Director, and Wes Synder) and I felt that many of the session Chairs had, in good faith, made travel plans contingent on Conference support. Each was contacted by one of the Conference Chairs and the matter was resolved on a case-by-case basis. In order to assure that the matter did not again surface, I indicated in writing to the next Conference Chairs that any financial commitments made without NNC approval would be the responsibility of the person making it. The 1990 IJCNN Chairs (Joseph W. Goodman and Walter Karplus) are aware of the past abuses and are sympathetic to the NNC's position on the matter. The current mood of the NNC is to ban all budgeted support for session Chairs after 1990.

There were also problems with the financial accountability for the 1989 IJCNN. Despite reminders from IEEE Conference Services and the NNC, the 90 day financial report required by IEEE from the Conference Finance Chair was not forthcoming. Checks were issued by the Finance Chair to the sponsoring societies for approximately $200,000 in late September of this year. The conference is currently being audited by Coopers & Lybrand. Irv Engelson, as a signatory for the conference, ordered the audit at the request of the NNC.



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Two major Neural Networks conferences were planned for the summer of 1989 – one sponsored by the NNC and one by the International Neural Networks Society (INNS). To avoid conflicting meetings in both time and location, the NNC and INNS crafted an agreement whereby coordinated semiannual IJCNN's would be offered. After 1990, the current plan calls for one annual IJCNN in North American each summer and one outside the country during the winter. We are currently crafting a more detailed agreement with INNS for the co-sponsorship of these conferences. The IJCNN Oversight Committee (IOC) Chair is Robert W. Newcomb, an IEEE Fellow.

Additional steps that have been taken to assure past problems do not reoccur include review of all conference budgets and contracts by IEEE Conference Services and with the approval of Eric Herz, appointment of Mel Olken to the IOC.

Please contact me if you require further information.

Sincerely,

Robert J. Marks II
Chair, IEEE Neural Networks
Committee
President, IEEE Council on Neural
Networks (CNN)

cc: CNN Executive Committee
Dr. Robert W. Newcomb (IOC Chair)



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IEEE

OCEANIC ENGINEERING SOCIETY

OES

Dr. Daniel L. Alspach
**President**

PLEASE REPLY TO:
ORINCON Corporation
9363 Towne Centre Drive
San Diego, CA 92121 USA
(619) 455-5530 Ext. 204

December 13, 1989

Dr. Robert J. Marks II
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Bob:

Per our discussions, I understand that the IEEE Oceanic Engineering Society's request for membership on the Neural Networks Committee is inadequate because the Committee has recently been authorized to be changed to a Council. IEEE Oceanic Engineering Society (OES) enthusiastically supports the upgrade of the Committee to a Council, as the OES was a Council for many years.

Per your written and verbal request, this is a formal request for membership on the IEEE Council on Neural Networks (CNN), along with my assurance that our members will abide by the provisions in the CNN Constitution.

Sincerely,

Daniel L. Alspach, Ph.D.
President
Oceanic Engineering Society

DLA:mrp



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IEEE

INDUSTRY APPLICATIONS SOCIETY

Eugene J. Fagan
PRESIDENT

December 31, 1989

PLEASE REPLY TO:
E. I. du Pont de Nemours & Company
Engineering Department
P.O. Box 6090
Newark, DE 19714-6090 USA
(302) 366-2884

Mr. Robert J. Marks, II
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Mr. Marks:

Thank you for your letter of December 7 explaining the status of our request for membership to the Council on Neural Networks. When I voted for establishment of the Council in Tarpon Springs, Florida, I was aware of your statement that membership by Industrial Applications Society was pending. I assumed that approval of our request would be handled in a routine manner. After reading your letter, however, the process appears quite complicated. It almost seems that I would have been better advised to vote "no" on your request so long as Industry Applications Society was excluded.

Let me summarize our position. The Executive Board of the Industry Applications Society has voted to join the Council on Neural Networks. Our representatives are Drs. Nutter and Cook. I will ask them to attend your AdCom meeting at 6:30 pm on January 16, 1990, if their schedules permit. If their schedules do not permit, I trust that you will consider our application anyway.

Very truly yours,

Eugene J. Fagan

Eugene J. Fagan
Society President

EJF/lc
IEEE5:18

cc: Dr. M. Dayne Aldridge-Auburn University, School of Engineering, 108 Ramsey Hall, Auburn University, AL 36849-3501, 205-844-4333

Dr. Roy S. Nutter, Jr., West Virginia University, 821 Electrical Engineering, P.O. Box 6101, Morgantown, WV 26506, 304-293-6375

Dr. George E. Cook, Vanderbilt University, P.O. Box 2215 Station B, Nashville, TN 37235, 615-322-2259



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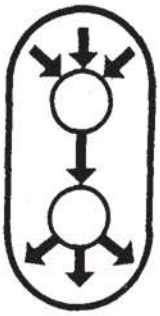

# *IEEE Council on Neural Networks*

## *AdCom Meeting*

THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

Tuesday, January 16, 1990, 6:30 P.M.

*International Joint Conference on Neural Networks*

Onmi Shoreham, Washington D.C.

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***TAB 1***

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***TAB 2***

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***TAB 3***

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***TAB 4***

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♦ *Forum Committee*
Names and one page cv's of the Conference Organizing Committee members, including the Forum's General Chair and Finance Chair.

♦ *Management*
A ~~statement~~ paragraph stating of the manner in which the Forum is to be managed. ~~Professional management is encouraged.~~ administratively

♦ *Endorsement*
A letter of endorsement from an NNC AdCom member or President of an NNC member Society. in the case of an a proposal of from an AdCom member from the

## Awards

*Selection Criteria:*
Seven copies of Forum Proposals are to be submitted to the NNC Meetings Chair by ~~October 1~~ May 1. The meetings committee will review the proposals and announce the awards by ~~Jan 1 in the before summer of 1991~~ by Aug 1, 1991.

Proposals will be selected by the following criteria:
- The technical and/or regional contribution of the Forum to the field of neural networks.
- The professional quality of the proposed Forum.
- The credentials of the Organizing Committee

## Requirements

♦ *IEEE*
~~All~~ IEEE meeting regulations and guidelines ~~will be adhered to.~~ a Forum must adhere to will be developed according to IEEE policy and are subject to IEEE audit.

♦ *Finance*
- All accounts will include the NNC Treasurer as signatory.
- ~~The NNC reserves the right to an independent audit the Forum~~
- ~~Financial shortages and surpluses will be divided equally by the NNC and the Proposer's institution.~~ ~~Other co-sponsors, if any, should be identified.~~ will be installed

♦ *Publications*
Proceedings of the conference will be published by IEEE in a sequence ~~of~~ NNC Forum Proceedings. ~~The title of the Proceedings will be specified by the NNC.~~ called "NNC Forums"

♦ *Name*
The name of the meeting will be "IEEE Neural Networks Council Forum ~~or~~ ..." for ~~focused meetings. For generic meetings, it will be "IEEE NNC Forum in ... " where~~ denotes the Forum's geographical location. Neural Network

♦ *Variations*
The NNC reserves the right to make conditional awards.

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Draft, 5-16-90

# *IEEE Neural Network Council Forums*

In order to deepen investigation, encourage cross disciplinary exchange and broaden the scope of the technology of artificial neural networks, the *IEEE Neural Networks Council* ~~invites short proposals for sponsorship~~ has established co-sponsorship Council of *IEEE Neural Networks Forums*.

## Information

♦ *Proposals*
NNC Forums are selected from proposals submitted to the NNC.

♦ *Scope*
*IEEE Neural Network Council (NNC) Forums* can either be small generic regional meetings or in depth workshops wherein a specific application or aspect of neural networks is addressed (e.g. *IEEE Neural Network Council Forum on Gaming*). We anticipate sponsorship of ~~three or four~~ Forums each year.

♦ *Size*
NNC Forums should be small in scope. Participation, however, must be open to all IEEE members. ~~If not all, a significant portion of the Forum must be open to observation by non participants.~~

♦ *Conference Management*
The responsibility of Chairing and otherwise managing the NNC Forum is the responsibility of the Proposer.

♦ *Technical ~~Content~~ Orientation*
The ~~responsibility for the~~ technical ~~content~~ orientation of the Forum will ~~generally be that of~~ designated by the Proposer.

## NNC Support

♦ *Publicity*
Forums will publicized in the IEEE Transactions on Neural Networks, ~~which currently has over 8000 subscribers~~.

♦ *Publications*
Proceedings from ~~the~~ selected Forums will be published ~~in sequence~~ by ~~the NNC~~ IEEE. ~~and made available through the IEEE book broker.~~

♦ *Financial*
Accepted proposals ~~will result in up to a $12,500~~ are eligible for nominal ~~loan~~ monetary advances for financing the Forum.

## Proposals

Standard IEEE Conference planning packets are available from (Roy)

The following items should be included in a proposal to host an NNC Forum:

♦ *Scope*
A ~~brief~~ summary of the objectives of the Forum. not to exceed 1 page in length ~~one page~~

♦ *Plan*
An explanation of how the objectives are to be met. This section should also not exceed one page in length. (included in conf packet

♦ *Budget*
A budget ~~should be~~ submitted on an IEEE Budget Form ~~available from the NNC Meetings Chair~~. Budgets should be conservative and include reimbursement of the NNC advance to the Forum.

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# TAB 9

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North Carolina State University
Department of Electrical and Computer Engineering

Box 7911
Raleigh, NC 27695-7911
919-737-2336

Memorandum To Dr. Robert Marks

From Wes Snyder W. E. S.

Date May 29,1990

I would like to introduce the following motion at the ADCOM meeting.

Whereas the ten founding Societies of the Neural Networks Committee and the Neural Networks Council took a visionary risk in the establishment of these organizations; I hereby move that the ten Founding Societies of the NNC be issued $2000 each from the NNC.

*North Carolina State University is a land-grant university and a constituent institution of The University of North Carolina.*

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# TAB 10

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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Seattle, WA 98195 USA
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marks@blake.acs.washington.edu

The following amendment was included in a letter sent via surface mail to all AdCom members on 2-22-90. Consideration of this amendment was moved by Dr. James Tien, current President of the *IEEE Society on Systems, Man and Cybernetics:*

MOTION : The NNC hereby amends the Constitution and Bylaws+ of the *IEEE Council on Neural Networks* as described below*.

### *CONSTITUTION: Article III, Section 1.*

Change from:

Section 1. The Council shall be composed of IEEE Societies which have demonstrated a strong interest in Neural Networks and are supporting technical activities in the field. These Societies must agree to share the responsibility for all obligations of the Council, including those financial, in accordance with this Constitution and the Council Bylaws.

to:

THE COUNCIL SHALL BE COMPOSED OF IEEE SOCIETIES WHICH HAVE DEMONSTRATED A STRONG INTEREST IN NEURAL NETWORKS AND ARE SUPPORTING TECHNICAL ACTIVITIES IN THE FIELD. THERE ARE TWO SOCIETY MEMBERSHIP CATEGORIES. THE FIRST IS THE FOUNDING MEMBER SOCIETIES: *CIRCUITS & SYSTEMS, COMMUNICATIONS, CONTROL SYSTEMS, ENGINEERING IN MEDICINE & BIOLOGY, INDUSTRIAL ELECTRONICS, INFORMATION THEORY, LASERS & ELECTRO-OPTICS, ROBOTICS & AUTOMATION, SIGNAL PROCESSING, SYSTEMS, MAN & CYBERNETICS).* OTHER SOCIETIES CAN BE ADMITTED AS REGULAR MEMBER SOCIETIES. ALL MEMBER SOCIETIES MUST AGREE TO SHARE IN THE RESPONSIBILITIES OF THE COUNCIL IN ACCORDANCE WITH THIS CONSTITUTION AND THE COUNCIL BYLAWS. ONLY THE FOUNDING MEMBER SOCIETIES SHALL SHARE THE FINANCIAL OBLIGATIONS AND SURPLUS OF THE COUNCIL.

*(continued...)*

---

+ Copies of the Constitution and Bylaws are available on request from IEEE or from the Council President.

* A two thirds vote by the AdCom is required for approval of Constitution and Bylaw amendments. Subsequent approval of Constitution amendments must be given by the IEEE Technical Activities Board (TAB). Approval of the Bylaw amendment is understood to be conditioned on acceptance by TAB of the Constitution amendment.



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## *CONSTITUTION: Article VI, Section 1.*

Current text:

Section 1. The financial support for the Council shall be derived from subscription sales of Council Publications, any surplus from the Conferences organized or sponsored by the Council, other programs and products sponsored by the Council, and allocations of funds provided by the Member Societies.

Proposed change:

Change MEMBER SOCIETIES in this paragraph to FOUNDING COUNCIL MEMBER SOCIETIES.

## ***BYLAWS:*** *Article V, Sections 3 & 4:*

Current text:

Section 3. In the event of a distribution of surplus, or payment of a deficit, during the first year of publication of a Council periodical, each Council Member Society shall receive or pay an equal share.

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years of publication of a Council periodical, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the periodicals as of September 30th. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

Proposed change:

Change COUNCIL MEMBER SOCIETY to FOUNDING COUNCIL MEMBER SOCIETY in all three instances.

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# TAB 11

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May 30, 1990

# IEEE Council on Neural Networks: AdCom Members

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# TAB 12

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draft of 1/15/90
Agreement
between the IEEE Neural Networks Council and the International Neural
Network Society

In the interest of promoting research, development and education in the area of Neural Networks, the IEEE Neural Networks Council (NNC) and the International Neural Network Society (INNS) agree to jointly sponsor international meetings, known hereafter as the "International Joint Conferences on Neural Networks," equally sharing the risk and the surplus of the conferences.

1) This document becomes effective upon signature of the Presidents of the two organizations and supercedes the agreement of 11/29/88.

2) Each conference shall be titled the International Joint Conference on Neural Networks (IJCNN).

3) Primary responsibility for operation of each conference shall alternate between the two organizations. The organization with responsibility for a particular conference shall be known as the "lead society."

4) The lead society shall appoint the General Chair with the advice and consent of the President of the other organization. The lead society guarantees the other society complete access to the financial records of the Conference at any time.

5) Both organizations may organize and operate membership booths in conjunction with registration. Organization publications may be sold at these booths.

6) Proceedings of the joint conferences will be sold to members of either organization at the member's rate. The conference commmittee should approach the IEEE book broker program to establish a mechanism for post-conference sales. Establishment of this mechanism shall be part of the budget planning process for each conference. The lead society will be responsible for post conference sales of proceedings.

7) Copyrights to the conference proceedings will be controlled by and at the discretion of the lead society.

8) Exhibits are encouraged as an integral part of the conferences. The conference committee (defined in paragraph 15 below) will be res-ponsible for establishing an exhibits program in coordination with members of the vendor community.

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9) As a general guideline, speakers (except for tutorial speakers) are not compensated for their presentations. Plenary speakers normally have their travel expenses paid. The conference committee will set specific arrangements in accordance with the policies of both INNS and IEEE. Compensation for tutorial speakers shall be consistent with the policies of IEEE and INNS. Session chairs or moderators are not compensated by the conference for travel expenses incurred as a result of their job.

10) Registration fees will be determinded by the conference committee and submitted to the sponsoring organizations as part of the conference budget. Significant fluctuations in fees for contiguous meetings are discouraged. The conference registration fees for members of the sponsoring societies will be set less than for other attendees.

11) All expenses associated with the conference will be included in the conference budget which must be approved by both organizations. It is the responsibility of the conference committee to enforce adherence to the budget.

12) A preliminary budget will be submitted by the lead society to the IOC (as defined in paragraph 13 below) and the other organization approximately two years in advance beginning with the 1992 meetings. An operating budget will be similarly submitted approximately one year in advance. It must be approved, disapproved, or approved with modifications, within 90 days after receipt, or it is approved as submitted.

13) There shall be an Oversight Committee (hereinafter referred to as "IOC") consisting of not more than 5 people, appointed by the IEEE NNC, and not more than 5 people appointed by the INNS Executive Committee. The President of the IEEE Neural Networks Council and the President of the International Neural Networks Society will serve as ex officio members of the IOC. No IOC member will serve on the organizing committee (defined in paragrph 15 below). The IJCNN Oversight Committee shall serve to ensure adherence to this Agreement and to mediate any disagreements in accordance with the IOC By-Laws. If a disagreement cannot be resolved by the IOC, the matter will be referred to the NNC and the INNS Board. The following diagram specifies the organizational structure:

14) This agreement can be canceled upon written notification of either organization to the President of the other organization. The Presient of the INNS and the President of the NNC shall have the responsibility of settling any unfinished business already inititated as a result of this document. In the event of dissolution, each society shall honor its previously approved budgets. Upon cancellation, both organizations agree to not use the conference name "International Joint Conference on Neural

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Networks" or the initials "IJCNN." The NNC reserves the exclusive right to use the conference name "International Conference on Neural Networks." The INNS reserves the exclusive right to use the conference name "INNS Annual Meeting." Both organizations will refrain from sponsoring other major activities within one month of each IJCNN. Both Socieites must agree to cooperate on involvement in any major neural network conference activites held within 30 days of an IJCNN. Both organizations will share equally in any conference surplus. If a conference loses money, both organizations will equally share in the cost.

15) The IJCNN Conference Organizing Committee (herein referred to as "Organizing Committee" or "Conference Committee") shall consist of at least a General Chair, a Program Chair, and a Finance Chair, all of which chairs are chosen by the lead society, with the General Chair to be selected with the advice and consent of the other participaiting Society. The General Chair has primary responsibility for all aspects of the meeting and is accountable to the lead society (AdCom of the NNC; Executive Committee of the INNS) with respect to the discharge of that responsibility. It is the responsibility of the President of the lead society to ensure that the General Chair is made aware of all relevant guidelines for the conference, including financial reimbursements. The General Chair shall appoint, may dismiss and is ultimately responsible for the duties of the other members of the Organizing Committee. The Program Chair is responsible for the technical program, including preparation of the Call for Papers, speaker invitations, review/referee procedures, session organization, etc., subject to IOC guidelines. This person should assemble and preside over the Program Committee. The Finance Chair is responsible for all of the financial aspects of the meeting including approving expenditures, seeing that the correct financial records are maintained, seeing that the approved registration fees are charged, preparing the final report, etc.. The primary aim of the Finance Chair should be to stay within the approved budget: note that the approved budget may not be the same as that submitted, since the sponsors might request changes. The General Chair may appoint other chairs as required, and will in all matters follow the guidelines contained in the latest version of the IEEE Conference Organization Manual.

16) A preliminary internal audit will be presented to the IOC and both orgainzations not more than 90 days after the close of the conference. A final audit and financial report is due 180 days after the close of the conference. Copies of this audit are to be presented to the IOC and the organizations. If there is a surplus, it shall be distributed evenly between the two organizations by the conference finance chair. Either organization can order an external audit of the conference by a nationally prominent

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accounting firm. In such cases, the audit cost will be paid from any conference surplus.

17) There will be at least four signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, the President of the INNS, and a financial staff person from IEEE Headquarters. Any one signature will be sufficient to authorize checks of $10,000 or less. Any two signatures will be required for amounts greater than $10,000,

18) Policies of both IEEE and INNS with regard to running of conferences will be adhered to.

**********
This document was discussed and jointly prepared by the members of the IJCNN Oversight Committee on 25 November, 1989, and 15 January, 1990

Approved by the INNS by its President:

_____ Date: _____

Approved by the IEEE NNC by its President:

_____ Date: _____

draft 1/15/90

By-Laws for the IOC

The "agreement between the IEEE Neural Network Council and the International Neural Network Society" will be hereafter referred to as the Agreement. These By-Laws are by-laws for the Agreement. Amendments to these By-Laws must be approved by the IOC and both Societies.

## Article I
## Rules of Order

Section 1. In all matters not covered by the Agreement and By-Laws, the IOC shall be governed by the latest edition of Robert's Rules of Order.

## Article II
## Management and Officers

Section 1. The officers of the IOC shall be the IOC Chair and Chair Elect. The officers shall serve for two calendar years, one year as Chair elect and one year as

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Chair. The IOC will be Chaired in odd years by an NNC appointee to the IOC and will be Chaired in even years by an INNS appointee. Both Officers will be appointed by the Society which they represent.

Section 2. If an officer must be absent from a meeting, he/she will designate a temporary pro tem replacement who is a representative of the same Society. The replacement must be an IOC member.

Section 3. If an IOC member will be absent from an IOC meeting, the member's society may appoint an alternate and inform the IOC officers at least two weeks in advance of the meeting.

## Article III
## IOC Meetings

Section 1. The Chair shall announce to the members of the IOC all meetings of the IOC at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. The Chair Elect shall be responsible for the minutes and attendance list of IOC meetings.

Section 3. Meetings of the IOC may be cancelled only by consent of a majority of all the members of the IOC not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given to all IOC members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 4. Unless otherwise specified, all motions placed before the IOC must be approved by a majority vote of the NNC appointees to the IOC and a separate majority vote of the INNS appointees to the IOC. If either the NNC or INNS vote does not receive a majority vote of their respective IOC appointees, the motion is defeated.

## Article IV
## IOC Responsibilities

Section 1. The IOC shall recommend the times and locations of IJCNN
conferences.

Section 2. The IOC shall have the power to establish procedures whereby proposals from potential conference locations can be considered.

Section 3. The IOC shall oversee all IJCNNs in order to assure adherence to the policies and procedures of the organization which they represent. This includes, but is not

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limited to, assuring that audits are performed on conferences that are acceptable to both Societies.

Section 4. The IOC shall have the power to present to the Societies proposals for other IJCNNs. This includes proposals for participation of other organizations as IJCNN sponsors and their corresponding program and financial commitments. With exception to the conferences cited in Section 1, no conference will be called The International Joint Conference on Neural Networks or use the initials IJCNN, without the approval of both Societies.

Section 5. The IOC may bring before the Societies any recommendation for action not covered in the Agreement or By-Laws. Any deviation from this agreement must be approved by both Societies.

## Article V
## Society Responsibilities

Section 1. The IOC shall be governed in accordance to the Constitution and Bylaws of the Institute of Electrical and Electronics Engineers (IEEE), the Constitution, Bylaws and the Charter of the IEEE Neural Networks Council (NNC) and the Bylaws of the International Neural Networks Society (INNS).

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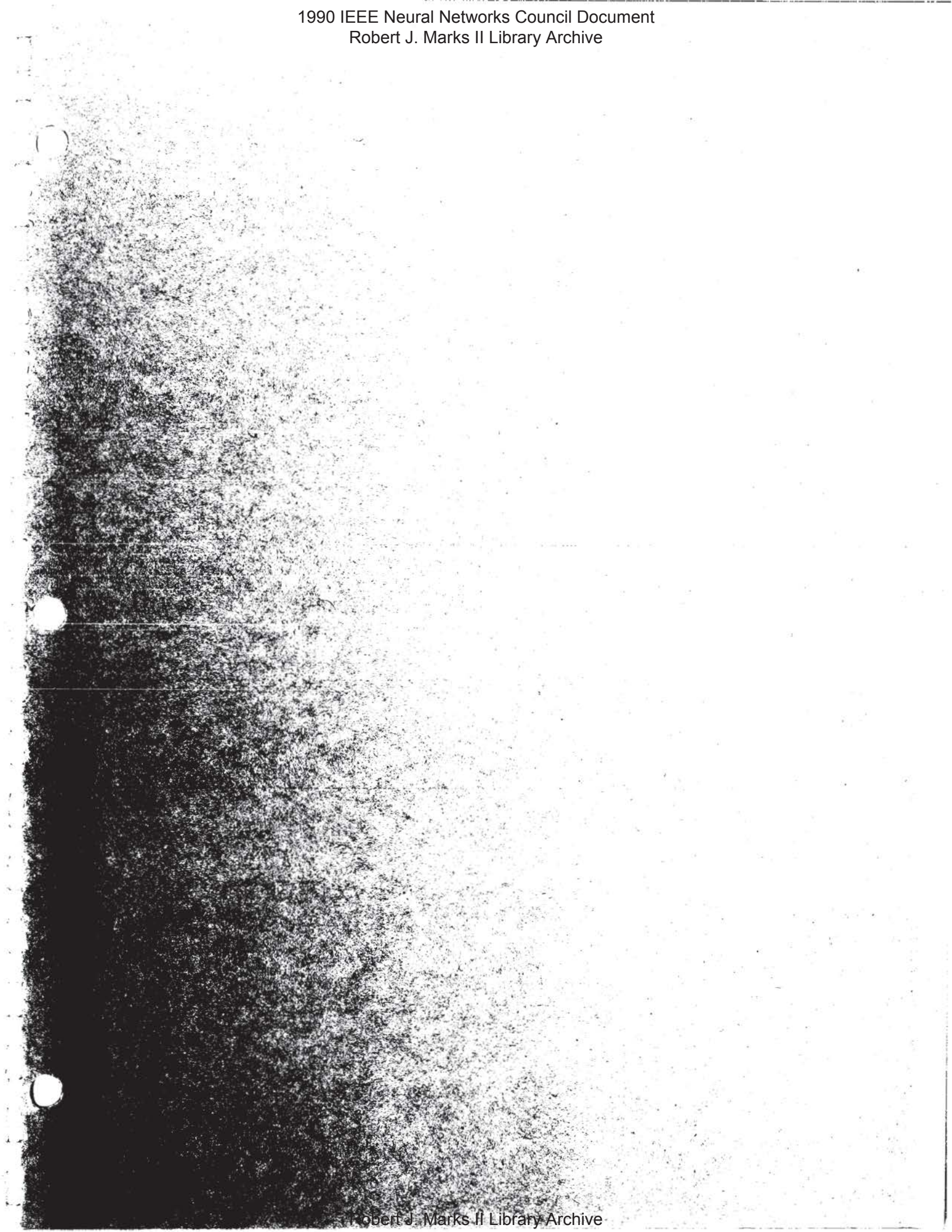

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

8-30-90

Dear NNC AdCom Members:

The long interval between our last and next AdCom meetings necessitates a mail ballot. Enclosed in this booklet is information on a number of items for your consideration. Please take some time to read the attached material and submit your vote to me as soon as you can, but no later than September 25, either by

1. returning this sheet to me by mail or FAX, or
2. sending an e-mail response to me.

Voting members of the NNC are the representatives of the twelve Society members of the Council and the four officers (President, VP, Treasurer and Secretary). Vote documentation will be verified by the NNC Secretary, Evangelia Tzanakou.

♦♦♦

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# ITEM 1

## AWARDS

BACKGROUND:
This motion has been forwarded for consideration to the Council by Dr. Bradley Dickinson, the Chair of the *NNC Awards Committee*. All awards given by the Council must be approved by the AdCom.

MATERIAL:
Descriptions of the *IEEE Neural Networks Council Pioneer Award* and the *IEEE Transactions on Neural Networks Outstanding Paper Award* are attached.

NNC CONTACT:

Bradley Dickinson, Chair
*NNC Awards Committee*
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
bradley@ivy.princeton.edu
(609)258 -4644
FAX: (609) 258-3745

MOTION:
The NNC hereby approves adoption of the *IEEE Neural Networks Council Pioneers Award* and the *IEEE Transactions on Neural Networks Outstanding Paper Award.*

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# IEEE Neural Networks Council Award Description

| | |
|---|---|
| Name of Award: | IEEE Neural Networks Council Pioneer Award |
| Description: | For significant contributions to the early concepts and developments in the neural networks field. The award is presented annually to outstanding individuals whose main contribution has been made at least fifteen years earlier. |
| Administration: | By the Awards Committee of the IEEE Neural Networks Council. An ad hoc subcommittee, the Pioneer Award Committee, will solicit nominations and judge the candidates. The Pioneer Award Committee's selections will be submitted to the Awards Committee for approval and to the Administrative Committee of the Neural Networks Council for final approval. |
| Eligibility: | Open to all meeting the contribution requirements. The award is not to be approved posthumously. Anyone can nominate. |
| Award: | A specially struck Neural Networks Pioneer Medal with an engraved citation, and a travel grant for the honoree and companion to the awards ceremony |
| Funds: | Funding will be from the non-dues revenue of the IEEE Neural Networks Council. |
| Nominee Selection: | Selection will be based on nomination letters received by the Pioneer Awards Committee. |
| Selection Committee: | The Pioneer Award Committee will be an ad hoc subcommittee of the Awards Committee of the IEEE Neural Networks Council. With the passage of time, the membership of the Pioneer Award Committee will be composed in part or in full from prior Pioneer Award recipients. |
| Schedule: | The selection will be made annually with nominations invited in September, nominations closed on February 1, selection by April 1, IEEE Neural Network Council Administrative Committee approval by May 1, and public award at the International Joint Conference on Neural Networks (IJCNN), usually in June or July. |
| Selection: | Up to three Pioneers will be selected annually. |
| Presentation: | The award will be presented at the International Joint Conference on Neural Networks (IJCNN). |
| Publicity: | The award winners will be announced publicly in the IEEE Transactions on Neural Networks, and a brochure will be prepared for distribution at the annual IJCNN. |
| Term: | The award will be administered as described here for a period of 5 years. Renewal of the award under the same or modified procedures is possible, depending on the five year experience with the award. |

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## IEEE Neural Networks Council Award Description

| | |
|---|---|
| Name of Award: | IEEE Transactions on Neural Networks Outstanding Paper Award |
| Description: | An annual award for the outstanding paper published in the IEEE Transactions on Neural Networks in the previous two-year period. |
| Administration: | By the Awards Committee of the IEEE Neural Networks Council. Nominations will be solicited from the Editor of the Transactions, Associate Editors, Executive Advisory Board, and Transactions Editorial Board, and from readers of the Transactions. The Awards Committee will judge the nominated papers and submit a recommendation to the Executive Committee of the Neural Networks Council Administrative Committee for final approval. |
| Eligibility: | All papers published in the IEEE Transactions on Neural Networks are eligible. For 1991, papers published in 1990 (Volume 1) will be eligible. For 1992 and thereafter, papers published in the previous two years will be eligible. A paper selected for the award is not eligible for a second award in the following year. |
| Award: | The author of the selected paper will receive a cash award of $500 and a certificate. For a paper with multiple authors, the cash award will be shared by the coauthors and each coauthor will receive a certificate. |
| Funds: | Funding will be from the non-dues revenue of the IEEE Neural Networks Council. |
| Presentation/Publicity: | The award will normally be presented at the International Joint Conference on Neural Networks (IJCNN). The award winner will be announced in the IEEE Transactions on Neural Networks. |
| Term: | The award will be administered as described here for a period of 5 years. Renewal of the award under the same or modified procedures is possible, depending on the five year experience with the award. |

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**ITEM 2**

# IOC AGREEMENT CHANGE

BACKGROUND:
At.its 1990 San Diego AdCom meeting, the NNC approved an agreement with the *International Neural Networks Society* (INNS) concerning the joint sponsoring of IJCNN's. This agreement was subsequently reviewed by *IEEE Conference Services* who requested some changes. The changes were submitted to the INNS for their approval. The NNC must also approve the changes.

MATERIAL:
Correspondence to and from *IEEE Conference Services.* Correspondence to the INNS concerning the required changes. A copy of the latest Agreement was distributed at the San Diego AdCom meeting in June. If you would like a copy sent by mail or e-mail, contact Bob Marks.

NNC CONTACT:

Roy S. Nutter, Jr., Chair
*NNC Meetings Committee*
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

MOTION:
The NNC hereby approves the changes to the 6/19/90 draft of the Agreement between the IEEE NNC and INNS as specified in the attached letter from Marks to Widrow.

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COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

June 27, 1990

Laura Jobmann
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, New Jersey 08855-1331

Dear Laura:

Enclosed is a draft of a proposed agreement between the NNC and the INNS. Please let me know if there are any aspects of the agreement that are contrary to IEEE policy or are in any other way objectionable to IEEE.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

cc: Evangelia Tzanakou, NNC Secretary
Roy Nutter, NNC Meetings Chair
Russ Eberhart, NNC Vice President

RECEIVED
JUL 3 - 1990
CONFERENCE SERVICES
DEPARTMENT



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IEEE TECHNICAL ACTIVITIES
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900 TELEX 833-233 FAX (201) 562-1571

July 25, 1990

(201) 562- 3873
FAX: (201) 562-1571

Dr. Robert J. Marks II
University of Washington
Department of Electrical
Engineering, FT-10
Seattle, WA 98195

Fax: (206) 543-3840

FAXED 07/25/90

RE: Proposed Agreement Between NNC and INNS

Dear Bob:

I have reviewed the material sent and only have a couple of comments:

1. Item 6. IEEE cannot guarantee INNS members the IEEE member price for purchasing the proceedings post conference through IEEE Headquarters.

2. Item 12. Because IOC is defined in paragraph 13, the description of the acronym should be set forth under this item to avoid confusion with the term "IOC".

3. When INNS is the lead Society, there should be at least one IEEE member on the conference organizing committee, preferably in the financial area. This is highly recommended because IEEE is obligating itself to 50% of the deficit when INNS is the lead Society. Conversely, INNS may wish to have the same right during IEEE's lead and it should be granted.

4. The Bylaws seem fine.

Bob, I am very sorry for the delay in responding; however, I have been out of the office most of the month.

If you have any questions, please feel free to contact me.

Sincerely,

Laura S. Jobmann
Administrator
Conference Services Department

LSJ: vac

cc: P. Sensi

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COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

Professor Bernard Widrow, President
INNS
Dept. of Electrical Engineering
Stanford University
Stanford, California 94305

Dear Bernie,

As you can see by the attached correspondence, IEEE has imposed some changes on our agreement. Specific verbiage change responding to the comments follows. I feel that the changes are sufficiently substantive to require ratification and will accordingly submit them for mail ballot approval to the NNC AdCom.

Proposed changes to the 6/19/90 draft of the Agreement:

1. Item 6. Add "at the meeting site" before "Proceedings of joint conferences..."
2. Item 12. Delete "IOC" and insert "Oversight Committee."
3. Item 15. At the end, add "The NNC President shall appoint one representative to the IJCNN organizing committee for those conferences in which INNS is lead Society. The INNS President shall appoint one representative to the IJCNN organizing committee for those conferences in which the NNC is lead Society.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Roy Nutter, NNC Meeting Chair, IOC-NNC
Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary
Paul Werbos, IOC-NNS
James Anderson, IOC-NNC
Robert Newcomb, IOC-NNC
Walter Karplus, IOC-NNC
Laura Jobmann, IEEE Conference Services



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# ITEM 3

## NNC Bylaw Change

BACKGROUND:
In order to recognize the time and degree of participation of member IEEE Societies, a motion for the changing of the NNC Constitution and Bylaws was made at the San Diego AdCom meeting. Although the motion was defeated, the AdCom still felt the issue needed to be addressed. An *ad hoc* committee was formed to investigate the matter and bring the matter before the NNC AdCom. The members were AdCom members Don E. Brown and Charles J. Robinson (Robinson is also President of *EMBS*) and James Tien, President of *Systems, Man & Cybernetics*. Their recommendation is the passing of this motion and the indication of the date of membership of each member Society in the Transactions. (The list of member Societies has been appearing on the inside back cover.) The Transactions Editor, Herb Rauch, has agreed to this dating beginning in 1991.

NNC CONTACT:
Don E. Brown
Dept. of Systems Engineering
University of Virginia
Charlottesville, VA 22903
(804) 924-5393
deb@virginia.bitnet

MOTION:
Change Article V, Section 4 of the Bylaws of the NNC Constitution to

ARTICLE V

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years, each member Society's share will be proportional to the number of years that Society has been a member of the IEEE Neural Network Council (founded 1990) and/or member of the IEEE Neural Networks Committee (founded 1987 and dissolved 1989).

INFORMATION:
A two thirds vote of the AdCom is required to ratify this change. Currently, the bylaw reads as:

ARTICLE V

Section 3. In the event of a distribution of surplus, or payment of a deficit, during the first year of publication of a Council periodical, each Council Member Society shall receive or pay an equal share.

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years of publication of a Council periodical, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the periodicals as of September 30th. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

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# ITEM 4

## 1991 Budget

BACKGROUND:
IEEE requires approval of Council Budgets by the Council AdCom. Typically, these budgets are approved at our summer AdCom meeting. This year, however, IEEE was tardy in their submission of material required for preparation of the budget.

MATERIAL:
Budget as submitted to IEEE.

NNC CONTACT:

Pat Simpson, NNC Treasurer
*General Dynamics, Electronics Division*
17436 Ashburton Rd,
San Diego, CA 92128
(619) 573-2417 (W)
(619) 573-2266 (FAX)

MOTION:
The NNC hereby approves the attached budget for 1991.

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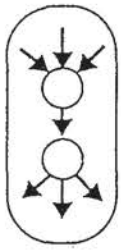
# IEEE NEURAL NETWORKS COUNCIL



Patrick K. Simpson, Treasurer
*IEEE Neural Networks Council*
General Dynamics Electronics Division
17436 Ashburton Road
San Diego, CA 92128
619/573-2417

Tania Skrinnikov
Financial Analyst
IEEE Technical Activities
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

July 10, 1990

Dear Ms. Skrinnikov

Please find enclosed a copy of the 1991 IEEE Neural Networks Council Budget, This is the first time that I have worked out the budget, but after liberal use of the Tab Finance Manual and Mel Olken's viewgraphs from the recent Finance and Conference Planning Workshop, I think I have something that we can work with. If there is anything that looks out of place, please do not hesitate to contact me at the address above.

Sincerely,

Patrick K. Simpson
NNC Treasurer

CC: Robert J. Marks II, NNC President



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06/12/90 RUN 1

IEEE S/C BUDGET INPUT INFORMATION
FOR THE PERIOD ENDING DECEMBER 31 , 1991
PROJECT: NEURAL NETWORK COUNCIL
TAB INPUT INFORMATION



| DESCRIPTION | | UNITS | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST |
|---|---|---|---|---|---|---|---|---|---|
| INCOME PARAMETERS : | | | | | | | | | |
| PAGE CHG BILLING RATE | U | $/PG | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 |
| INTEREST ON RESERVES | B | % | 7.50 | 7.50 | 6.50 | 6.50 | 7.00 | 7.00 | 7.50 |
| STUDENT FEE | U | % | $50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| STUDENT OPTION PERIODIC | B | % | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 |
| NO. OF FULL SUBS. | B | | 996 | 996 | 996 | 996 | 991 | 991 | 972 |
| FULL SUBSCRIPTION RATE | B | $ | 3295.00 | 3510.00 | 4035.00 | 4850.00 | 5500.00 | 5960.00 | 5960.00 |
| SECTION LIBRARY RATE | U | $ | 680.00 | 720.00 | 765.00 | 800.00 | 800.00 | 890.00 | 890.00 |
| STUDENT CHAPTER RATE | B | $ | 390.00 | 420.00 | 450.00 | 460.00 | 500.00 | 575.00 | 575.00 |
| EXPENSE PARAMETERS : | | | | | | | | | |
| FULL SUBS. EXP.COMMITMENT | B | K$ | 300.00 | 300.00 | 340.00 | 340.00 | 340.00 | 340.00 | 340.00 |
| INDEXING CHARGE/IDX PAGE | U | $ | 190.00 | 195.00 | 200.00 | 200.00 | 230.00 | 230.00 | 230.00 |
| T/J FULLY EDITED | U | $/PG | 37.55 | 39.90 | 42.50 | 43.00 | 43.00 | 43.00 | 43.00 |
| T/J AUTHOR/CAMERA READY | B | $/PG | 6.28 | 6.65 | 7.08 | 7.10 | 7.10 | 7.10 | 7.10 |
| MAG FULLY EDITED | B | $/PG | 49.50 | 59.50 | 65.00 | 67.00 | 75.00 | 75.00 | 75.00 |
| MAG AUTHOR/CAMERA READY | B | $/PG | 8.25 | 9.92 | 10.83 | 11.10 | 12.50 | 12.50 | 12.50 |
| PUBLICATION ADMINISTRATION : | | | | | | | | | |
| -T/J/M PAGES | U | $/PG | 3.05 | 3.28 | 3.50 | 3.90 | 4.49 | 4.49 | 4.49 |
| -T/J/M ISSUES | B | $/IS | 175.00 | 188.00 | 200.00 | 218.00 | 251.00 | 251.00 | 251.00 |
| -NEWSLETTER | B | $/IS | 225.00 | 250.00 | 265.00 | 280.90 | 322.00 | 322.00 | 322.00 |
| -CONF.RECORD | U | $/IS | 545.00 | 585.00 | 625.00 | 680.00 | 695.00 | 695.00 | 695.00 |
| PAGE CHARGE EPNSE | B | $/PG | 14.50 | 15.50 | 16.50 | 16.50 | 20.00 | 20.00 | 20.00 |
| HANDLG CHG PER NM SUB | B | $ | 6.00 | 6.25 | 6.50 | 7.00 | 7.35 | 7.75 | 7.75 |

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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET INPUT INFORMATION
FOR THE PERIOD ENDING DECEMBER 31 , 1991
PROJECT: NEURAL NETWORK COUNCIL
S/C FEE, MEMBER STATISTICS AND SURPLUS/RESERVE ANALYSIS



| DESCRIPTION | UNITS | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|
| SOCIETY/MEMBER FEE | B $/YR | | | | | | | | |
| NO.MEMBERS, HIGHER GRADES | B | | | | | | | | 5320 |
| | A | | | | | | | | |
| NO.STUDENT MEMBERS | B | | | | | | | | 1610 |
| | A | | | | | | | | |
| NO.AFFILIATES | B | | | | | | | | 70 |
| | A | | | | | | | | |
| TOTAL MEMBERSHIP | B | 4262 | | 4494 | 4535 | 4607 | 4864 | | 7000 |
| | A | 4443 | 4535 | 4607 | 4864 | | | | |
| JAN.1 RESERVES K$ | B K$ | | | | | | | 2.20 | 2.20 |
| | A | | | | | | | | |
| SURPLUS/DEFICIT K$ | B K$ | | | | | | 2.20 | 2.20- | |
| | A | | | | | 217.50 | | | |
| DEC.31 RESERVES K$ | B K$ | | | | | | 2.20 | | 2.20 |
| | A | | | | | 217.50 | | | |
| JAN.1 RESERVES/MEMBER $ | B $/M | | | | | | | .45 | .45 |
| | A | | | | | | | | |
| DEC 31 RESERVES/MEMBER $ | B $/M | | | | | | | | .45 |
| | A | | | | | | | | |
| SURPLUS AS % OF INCOME | B % | | | | | | 2.92 | 2.98- | |
| | A | | | | | | | | |
| SURPLUS AS % OF EXPENSE | B % | | | | | | 3.01 | 2.89- | |
| | A | | | | | | | | |
| SURPLUS AS % OF JAN.1 RES | B % | | | | | | | 100.00- | |
| | A | | | | | | | | |
| DEC. 31 RES AS % OF INC. | B % | | | | | | 2.92 | | |
| | A | | | | | | | | |
| DEC 31 RES AS % OF EXP. | B % | | | | | | 3.01 | | |
| | A | | | | | | | | |
| RES AS % OF EXPENSE | B % | | | | 100.00 | | 100.00 | 75.68 | 75.68 |
| GUIDE (+/- [illegible]) | A | | | | | | | | |

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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET INPUT INFORMATION
FOR THE PERIOD ENDING DECEMBER 31 , 1991



PROJECT: NEURAL NETWORK COUNCIL
S/C MEMBERSHIP, FEES & PUBLICATION STATISTICS FOR : T-NN

| DESCRIPTION | UNITS | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|
| ISSUES PER YEAR | B I/YR | | | | | | 4 | 4 | 6 |
| IEEE HDQ. EDITORIAL PRODUCTION : | | | | | | | | | |
| -FULLY EDITED | B PG/YR<br>A | | | | | | 320 | 320 | 480 |
| -AUTHOR/CAMERA READY | B PG/YR<br>A | | | | | | | | |
| -NONE | B PG/YR<br>A | | | | | | | | |
| MEMBER PERIODICAL RATE | B $/YR | | | | | | 10.00 | 10.00 | 10.00 |
| NON SOC MEM. IEEE RATE, N | B $/YR | | | | | | 15.00 | 15.00 | 15,00 |
| NN LIST PRICE | B $/YR | | | | | | 75.00 | 75.00 | 75.00 |
| MEMBER COPIES | B<br>A | | | | | | 4000 | 4000 | 5320 |
| STUDENT COPIES | B<br>A | | | | | | | | 1610 |
| AFFILIATE COPIES | B<br>A | | | | | | | | 70 |
| INDIV NN SUBS | B<br>A | | | | | | | | 1000 |
| PRINT RUN (COPIES/ISSUE) | B<br>A | | | | | | 5000 | 5000 | 8000 |
| EST. PRINT COST PER PAGE | B $ | | | | | | 175.00 | 184.00 | 184.00 |

P PART OF MEMBER FEE. C COMBINATION RATE WITH _____.
O MEMBER CHOOSES ONE AS PART OF FEE.
N NON SOCIETY OR NON SPONSORING SOCIETY BUT IEEE MEMBER RATE

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REPORT PROCESSED 06/12/90 RUN 1

IEEE S/C BUDGET
FOR THE PERIOD ENDING DECEMBER 31 , 1991
NEURAL NETWORK COUNCIL



| DESCRIPTION | | ACCOUNT NUMBER | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|---|
| INCOME | | | | | | | | | | |
| TRANS & OTHER MAGS. | | | | | | | | | | |
| NN SUBS IND IST | B | 8110214001 | | | | | | | | |
| | A | | | | | | .1 | | | 56.0 |
| NN ALL TRANS | B | 8110214003 | | | | | | 35.2 | 33.7 | 70.0 |
| | A | | | | | | | | | |
| TOT TRANS & OTHER N | B | | | | | | | 35.2 | 33.7 | 126.0 |
| | A | | | | | | .1 | | | |
| NON PERIODICAL SALES | | | | | | | | | | |
| CONF PUB OOP NET | B | 8110501001 | | | | | | | | |
| | A | | | | | | 38.2 | | | 2.0 |
| TOT NON PERIODICAL | B | | | | | | | | | 2.0 |
| | A | | | | | | 38.2 | | | |
| MEETINGS | | | | | | | | | | |
| 88 ICNN | B | 8110600001 | | | | | | | | |
| 89 DCNN 198K | A | | | | | | 190.9 | | | 40.0 |
| 90 IJCNN-DC 33K | | | | | | | | | | |
| 90 IJCNN-SD 5K | | | | | | | | | | |
| TOT MEETINGS | B | | | | | | | | | 40.0 |
| | A | | | | | | 190.9 | | | |
| OTHER | | | | | | | | | | |
| OTHER MISC | B | 8110890000 | | | | | | | | |
| | A | | | | | | .3 | | | |
| INT SOC TRF | B | 8110900000 | | | | | | 40.0 | 40.0 | 0.0 |
| | A | | | | | | | | | |
| TOT OTHER | B | | | | | | | 40.0 | 40.0 | 0.0 |
| | A | | | | | | .3 | | | |
| TOTAL INCOME | B | | | | | | | 75.2 | 73.7 | 168.0 |
| | A | | | | | | 229.5 | | | |

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IEEE S/C BUDGET
FOR THE PERIOD ENDING DECEMBER 31 • 1991
NEURAL NETWORK COUNCIL



| DESCRIPTION | | ACCOUNT NUMBER | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|---|
| EXPENSES | | | | | | | | | | |
| TRANS & OTHER MAGS | | | | | | | | | | |
| COMPOSITION | B | 9110214001 | | | | | | 56.0 | 58.9 | 98.3 |
| | A | | | | | | | | | |
| INDEXING | B | 9110226051 | | | | | | .8 | .8 | 1.2 |
| | A | | | | | | | | | |
| EDITORIAL H.Q | B | 9110226060 | | | | | | 13.8 | 13.8 | 20.6 |
| | A | | | | | | | | | |
| PUB ADMIN | B | 9110226061 | | | | | | 2.4 | 2.4 | 3.7 |
| | A | | | | | | | | | |
| S/C EDT REIM EX | B | 9110226070 | | | | | | | | |
| | A | | | | | | .3 | | | 10.0 |
| TOT TRANS & OTHER M | B | | | | | | | 73.0 | 75.9 | 123.8 |
| | A | | | | | | .3 | | | |
| HDQTS.SERV.TO COMM. | | | | | | | | | | |
| ADCOM | B | 9110741001 | | | | | | | | |
| | A | | | | | | .2 | | | 0.2 |
| TOT HDQTS.SERV.TO C | B | | | | | | | | | |
| | A | | | | | | .2 | | | 0.2 |
| COMM.ACT.EXT.COSTS | | | | | | | | | | |
| AD COMM | B | 9110741002 | | | | | | | | |
| | A | | | | | | 4.1 | | | 15.0 |
| TECHNICAL | B | 9110743002 | | | | | | | | |
| | A | | | | | | 4.8 | | | 15.0 |
| TOT COMM.ACT.EXT.CO | B | | | | | | | | | |
| | A | | | | | | 8.9 | | | 30.0 |
| OTHER EXPENSES | | | | | | | | | | |
| MISC OTHER | B | 9110809000 | | | | | | | | |
| | A | | | | | | 2.6 | | | 5.0 |
| TOT OTHER EXPENSES | B | | | | | | | | | 5.0 |
| | A | | | | | | 2.6 | | | |
| TOTAL EXPENSES | B | | | | | | | 73.0 | 75.9 | 159.0 |
| | A | | | | | | 12.0 | | | |

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Networks" or the initials "IJCNN." The NNC reserves the exclusive right to use the conference name "International Conference on Neural Networks." The INNS reserves the exclusive right to use the conference name "INNS Annual Meeting." Both organizations will refrain from sponsoring other major activities within one month of each IJCNN. Both Socieites must agree to cooperate on involvement in any major neural network conference activites held within 30 days of an IJCNN. Both organizations will share equally in any conference surplus. If a conference loses money, both organizations will equally share in the cost.

15) The IJCNN Conference Organizing Committee (herein referred to as "Organizing Committee" or "Conference Committee") shall consist of at least a General Chair, a Program Chair, and a Finance Chair, all of which chairs are chosen by the lead society, with the General Chair to be selected with the advice and consent of the other participaiting Society. The General Chair has primary responsibility for all aspects of the meeting and is accountable to the lead society (AdCom of the NNC; Executive Committee of the INNS) with respect to the discharge of that responsibility. It is the responsibility of the President of the lead society to ensure that the General Chair is made aware of all relevant guidelines for the conference, including financial reimbursements. The General Chair shall appoint, may dismiss and is ultimately responsible for the duties of the other members of the Organizing Committee. The Program Chair is responsible for the technical program, including preparation of the Call for Papers, speaker invitations, review/referee procedures, session organization, etc., subject to IOC guidelines. This person should assemble and preside over the Program Committee. The Finance Chair is responsible for all of the financial aspects of the meeting including approving expenditures, seeing that the correct financial records are maintained, seeing that the approved registration fees are charged, preparing the final report, etc.. The primary aim of the Finance Chair should be to stay within the approved budget: note that the approved budget may not be the same as that submitted, since the sponsors might request changes. The General Chair may appoint other chairs as required, and will in all matters follow the guidelines contained in the latest version of the IEEE Conference Organization Manual.

16) A preliminary internal audit will be presented to the IOC and both orgainzations not more than 90 days after the close of the conference. A final audit and financial report is due 180 days after the close of the conference. Copies of this audit are to be presented to the IOC and the organizations. If there is a surplus, it shall be distributed evenly between the two organizations by the conference finance chair. Either organization can order an external audit of the conference by a nationally prominent

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accounting firm. In such cases, the audit cost will be paid from any conference surplus.

17) There will be at least four signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, the President of the INNS, and a financial staff person from IEEE Headquarters. Any one signature will be sufficient to authorize checks of $10,000 or less. Any two signatures will be required for amounts greater than $10,000,

18) Policies of both IEEE and INNS with regard to running of conferences will be adhered to.

**********
This document was discussed and jointly prepared by the members of the IJCNN Oversight Committee on 25 November, 1989, and 15 January, 1990

Approved by the INNS by its President:

_____ Date: _____

Approved by the IEEE NNC by its President:

_____ Date: _____

draft 1/15/90

By-Laws for the IOC

The "agreement between the IEEE Neural Network Council and the International Neural Network Society" will be hereafter referred to as the Agreement. These By-Laws are by-laws for the Agreement. Amendments to these By-Laws must be approved by the IOC and both Societies.

## Article I
## Rules of Order

Section 1. In all matters not covered by the Agreement and By-Laws, the IOC shall be governed by the latest edition of Robert's Rules of Order.

## Article II
## Management and Officers

Section 1. The officers of the IOC shall be the IOC Chair and Chair Elect. The officers shall serve for two calendar years, one year as Chair elect and one year as

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Chair. The IOC will be Chaired in odd years by an NNC appointee to the IOC and will be Chaired in even years by an INNS appointee. Both Officers will be appointed by the Society which they represent.

Section 2. If an officer must be absent from a meeting, he/she will designate a temporary pro tem replacement who is a representative of the same Society. The replacement must be an IOC member.

Section 3. If an IOC member will be absent from an IOC meeting, the member's society may appoint an alternate and inform the IOC officers at least two weeks in advance of the meeting.

## Article III
## IOC Meetings

Section 1. The Chair shall announce to the members of the IOC all meetings of the IOC at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. The Chair Elect shall be responsible for the minutes and attendance list of IOC meetings.

Section 3. Meetings of the IOC may be cancelled only by consent of a majority of all the members of the IOC not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given to all IOC members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 4. Unless otherwise specified, all motions placed before the IOC must be approved by a majority vote of the NNC appointees to the IOC and a separate majority vote of the INNS appointees to the IOC. If either the NNC or INNS vote does not receive a majority vote of their respective IOC appointees, the motion is defeated.

## Article IV
## IOC Responsibilities

Section 1. The IOC shall recommend the times and locations of IJCNN
conferences.

Section 2. The IOC shall have the power to establish procedures whereby proposals from potential conference locations can be considered.

Section 3. The IOC shall oversee all IJCNNs in order to assure adherence to the policies and procedures of the organization which they represent. This includes, but is not

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limited to, assuring that audits are performed on conferences that are acceptable to both Societies.

Section 4. The IOC shall have the power to present to the Societies proposals for other IJCNNs. This includes proposals for participation of other organizations as IJCNN sponsors and their corresponding program and financial commitments. With exception to the conferences cited in Section 1, no conference will be called The International Joint Conference on Neural Networks or use the initials IJCNN, without the approval of both Societies.

Section 5. The IOC may bring before the Societies any recommendation for action not covered in the Agreement or By-Laws. Any deviation from this agreement must be approved by both Societies.

## Article V
## Society Responsibilities

Section 1. The IOC shall be governed in accordance to the Constitution and Bylaws of the Institute of Electrical and Electronics Engineers (IEEE), the Constitution, Bylaws and the Charter of the IEEE Neural Networks Council (NNC) and the Bylaws of the International Neural Networks Society (INNS).

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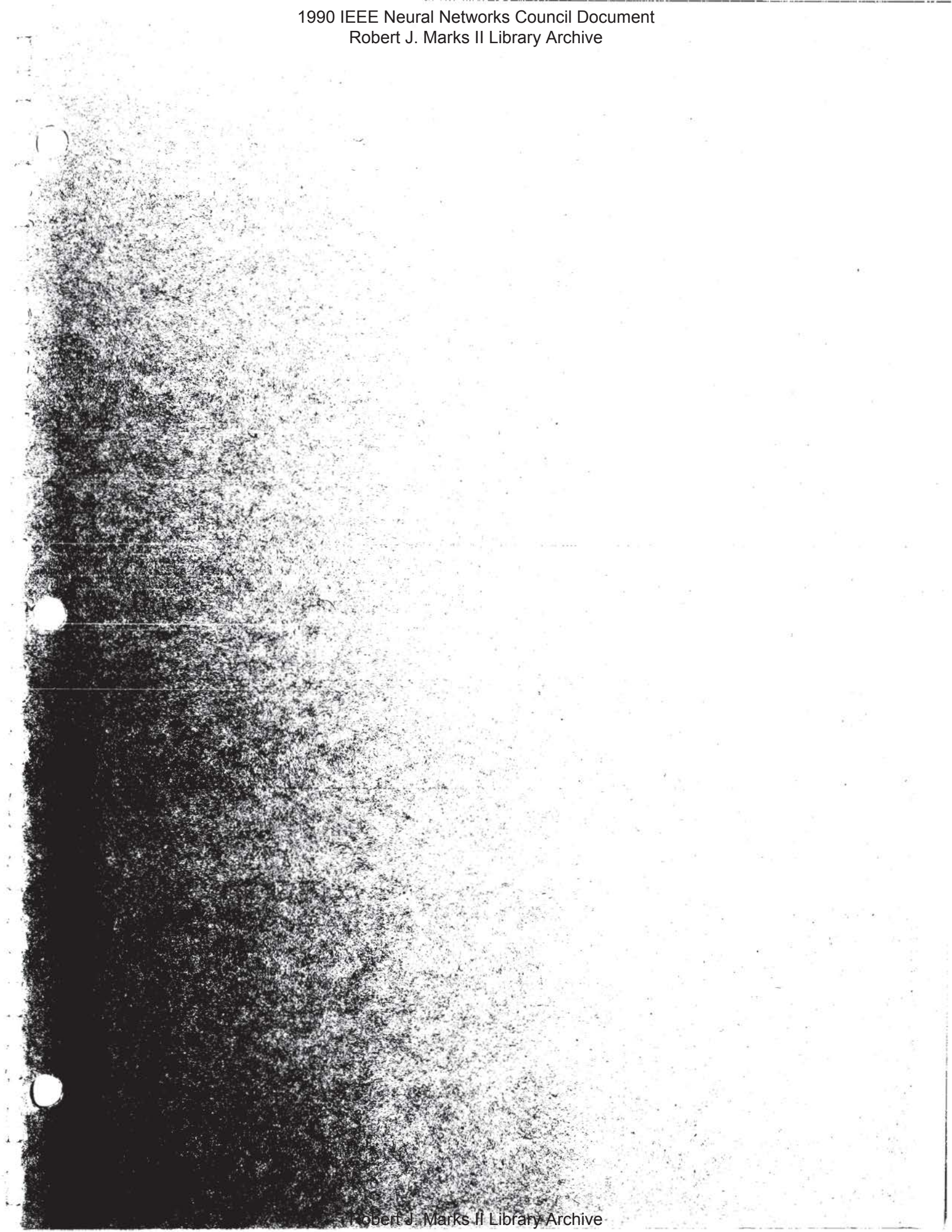

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

8-30-90

Dear NNC AdCom Members:

The long interval between our last and next AdCom meetings necessitates a mail ballot. Enclosed in this booklet is information on a number of items for your consideration. Please take some time to read the attached material and submit your vote to me as soon as you can, but no later than September 25, either by

1. returning this sheet to me by mail or FAX, or
2. sending an e-mail response to me.

Voting members of the NNC are the representatives of the twelve Society members of the Council and the four officers (President, VP, Treasurer and Secretary). Vote documentation will be verified by the NNC Secretary, Evangelia Tzanakou.

♦♦♦

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# ITEM 1

## AWARDS

BACKGROUND:
This motion has been forwarded for consideration to the Council by Dr. Bradley Dickinson, the Chair of the *NNC Awards Committee*. All awards given by the Council must be approved by the AdCom.

MATERIAL:
Descriptions of the *IEEE Neural Networks Council Pioneer Award* and the *IEEE Transactions on Neural Networks Outstanding Paper Award* are attached.

NNC CONTACT:

Bradley Dickinson, Chair
*NNC Awards Committee*
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
bradley@ivy.princeton.edu
(609)258 -4644
FAX: (609) 258-3745

MOTION:
The NNC hereby approves adoption of the *IEEE Neural Networks Council Pioneers Award* and the *IEEE Transactions on Neural Networks Outstanding Paper Award.*

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# IEEE Neural Networks Council Award Description

| | |
|---|---|
| Name of Award: | IEEE Neural Networks Council Pioneer Award |
| Description: | For significant contributions to the early concepts and developments in the neural networks field. The award is presented annually to outstanding individuals whose main contribution has been made at least fifteen years earlier. |
| Administration: | By the Awards Committee of the IEEE Neural Networks Council. An ad hoc subcommittee, the Pioneer Award Committee, will solicit nominations and judge the candidates. The Pioneer Award Committee's selections will be submitted to the Awards Committee for approval and to the Administrative Committee of the Neural Networks Council for final approval. |
| Eligibility: | Open to all meeting the contribution requirements. The award is not to be approved posthumously. Anyone can nominate. |
| Award: | A specially struck Neural Networks Pioneer Medal with an engraved citation, and a travel grant for the honoree and companion to the awards ceremony |
| Funds: | Funding will be from the non-dues revenue of the IEEE Neural Networks Council. |
| Nominee Selection: | Selection will be based on nomination letters received by the Pioneer Awards Committee. |
| Selection Committee: | The Pioneer Award Committee will be an ad hoc subcommittee of the Awards Committee of the IEEE Neural Networks Council. With the passage of time, the membership of the Pioneer Award Committee will be composed in part or in full from prior Pioneer Award recipients. |
| Schedule: | The selection will be made annually with nominations invited in September, nominations closed on February 1, selection by April 1, IEEE Neural Network Council Administrative Committee approval by May 1, and public award at the International Joint Conference on Neural Networks (IJCNN), usually in June or July. |
| Selection: | Up to three Pioneers will be selected annually. |
| Presentation: | The award will be presented at the International Joint Conference on Neural Networks (IJCNN). |
| Publicity: | The award winners will be announced publicly in the IEEE Transactions on Neural Networks, and a brochure will be prepared for distribution at the annual IJCNN. |
| Term: | The award will be administered as described here for a period of 5 years. Renewal of the award under the same or modified procedures is possible, depending on the five year experience with the award. |

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## IEEE Neural Networks Council Award Description

| | |
|---|---|
| Name of Award: | IEEE Transactions on Neural Networks Outstanding Paper Award |
| Description: | An annual award for the outstanding paper published in the IEEE Transactions on Neural Networks in the previous two-year period. |
| Administration: | By the Awards Committee of the IEEE Neural Networks Council. Nominations will be solicited from the Editor of the Transactions, Associate Editors, Executive Advisory Board, and Transactions Editorial Board, and from readers of the Transactions. The Awards Committee will judge the nominated papers and submit a recommendation to the Executive Committee of the Neural Networks Council Administrative Committee for final approval. |
| Eligibility: | All papers published in the IEEE Transactions on Neural Networks are eligible. For 1991, papers published in 1990 (Volume 1) will be eligible. For 1992 and thereafter, papers published in the previous two years will be eligible. A paper selected for the award is not eligible for a second award in the following year. |
| Award: | The author of the selected paper will receive a cash award of $500 and a certificate. For a paper with multiple authors, the cash award will be shared by the coauthors and each coauthor will receive a certificate. |
| Funds: | Funding will be from the non-dues revenue of the IEEE Neural Networks Council. |
| Presentation/Publicity: | The award will normally be presented at the International Joint Conference on Neural Networks (IJCNN). The award winner will be announced in the IEEE Transactions on Neural Networks. |
| Term: | The award will be administered as described here for a period of 5 years. Renewal of the award under the same or modified procedures is possible, depending on the five year experience with the award. |

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**ITEM 2**

# IOC AGREEMENT CHANGE

BACKGROUND:
At.its 1990 San Diego AdCom meeting, the NNC approved an agreement with the *International Neural Networks Society* (INNS) concerning the joint sponsoring of IJCNN's. This agreement was subsequently reviewed by *IEEE Conference Services* who requested some changes. The changes were submitted to the INNS for their approval. The NNC must also approve the changes.

MATERIAL:
Correspondence to and from *IEEE Conference Services.* Correspondence to the INNS concerning the required changes. A copy of the latest Agreement was distributed at the San Diego AdCom meeting in June. If you would like a copy sent by mail or e-mail, contact Bob Marks.

NNC CONTACT:

Roy S. Nutter, Jr., Chair
*NNC Meetings Committee*
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

MOTION:
The NNC hereby approves the changes to the 6/19/90 draft of the Agreement between the IEEE NNC and INNS as specified in the attached letter from Marks to Widrow.

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COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

June 27, 1990

Laura Jobmann
IEEE Conference Services
445 Hoes Lane
P.O. Box 1331
Piscataway, New Jersey 08855-1331

Dear Laura:

Enclosed is a draft of a proposed agreement between the NNC and the INNS. Please let me know if there are any aspects of the agreement that are contrary to IEEE policy or are in any other way objectionable to IEEE.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

RJM:vbh

cc: Evangelia Tzanakou, NNC Secretary
Roy Nutter, NNC Meetings Chair
Russ Eberhart, NNC Vice President

RECEIVED
JUL 3 - 1990
CONFERENCE SERVICES
DEPARTMENT



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IEEE TECHNICAL ACTIVITIES
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900 TELEX 833-233 FAX (201) 562-1571

July 25, 1990

(201) 562- 3873
FAX: (201) 562-1571

Dr. Robert J. Marks II
University of Washington
Department of Electrical
Engineering, FT-10
Seattle, WA 98195

Fax: (206) 543-3840

FAXED 07/25/90

RE: Proposed Agreement Between NNC and INNS

Dear Bob:

I have reviewed the material sent and only have a couple of comments:

1. Item 6. IEEE cannot guarantee INNS members the IEEE member price for purchasing the proceedings post conference through IEEE Headquarters.

2. Item 12. Because IOC is defined in paragraph 13, the description of the acronym should be set forth under this item to avoid confusion with the term "IOC".

3. When INNS is the lead Society, there should be at least one IEEE member on the conference organizing committee, preferably in the financial area. This is highly recommended because IEEE is obligating itself to 50% of the deficit when INNS is the lead Society. Conversely, INNS may wish to have the same right during IEEE's lead and it should be granted.

4. The Bylaws seem fine.

Bob, I am very sorry for the delay in responding; however, I have been out of the office most of the month.

If you have any questions, please feel free to contact me.

Sincerely,

Laura S. Jobmann
Administrator
Conference Services Department

LSJ: vac

cc: P. Sensi

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COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

PLEASE REPLY TO:
University of Washington
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Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

Professor Bernard Widrow, President
INNS
Dept. of Electrical Engineering
Stanford University
Stanford, California 94305

Dear Bernie,

As you can see by the attached correspondence, IEEE has imposed some changes on our agreement. Specific verbiage change responding to the comments follows. I feel that the changes are sufficiently substantive to require ratification and will accordingly submit them for mail ballot approval to the NNC AdCom.

Proposed changes to the 6/19/90 draft of the Agreement:

1. Item 6. Add "at the meeting site" before "Proceedings of joint conferences..."
2. Item 12. Delete "IOC" and insert "Oversight Committee."
3. Item 15. At the end, add "The NNC President shall appoint one representative to the IJCNN organizing committee for those conferences in which INNS is lead Society. The INNS President shall appoint one representative to the IJCNN organizing committee for those conferences in which the NNC is lead Society.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Roy Nutter, NNC Meeting Chair, IOC-NNC
Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary
Paul Werbos, IOC-NNS
James Anderson, IOC-NNC
Robert Newcomb, IOC-NNC
Walter Karplus, IOC-NNC
Laura Jobmann, IEEE Conference Services



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# ITEM 3

## NNC Bylaw Change

BACKGROUND:
In order to recognize the time and degree of participation of member IEEE Societies, a motion for the changing of the NNC Constitution and Bylaws was made at the San Diego AdCom meeting. Although the motion was defeated, the AdCom still felt the issue needed to be addressed. An *ad hoc* committee was formed to investigate the matter and bring the matter before the NNC AdCom. The members were AdCom members Don E. Brown and Charles J. Robinson (Robinson is also President of *EMBS*) and James Tien, President of *Systems, Man & Cybernetics*. Their recommendation is the passing of this motion and the indication of the date of membership of each member Society in the Transactions. (The list of member Societies has been appearing on the inside back cover.) The Transactions Editor, Herb Rauch, has agreed to this dating beginning in 1991.

NNC CONTACT:
Don E. Brown
Dept. of Systems Engineering
University of Virginia
Charlottesville, VA 22903
(804) 924-5393
deb@virginia.bitnet

MOTION:
Change Article V, Section 4 of the Bylaws of the NNC Constitution to

ARTICLE V

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years, each member Society's share will be proportional to the number of years that Society has been a member of the IEEE Neural Network Council (founded 1990) and/or member of the IEEE Neural Networks Committee (founded 1987 and dissolved 1989).

INFORMATION:
A two thirds vote of the AdCom is required to ratify this change. Currently, the bylaw reads as:

ARTICLE V

Section 3. In the event of a distribution of surplus, or payment of a deficit, during the first year of publication of a Council periodical, each Council Member Society shall receive or pay an equal share.

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years of publication of a Council periodical, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the periodicals as of September 30th. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

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# ITEM 4

## 1991 Budget

BACKGROUND:
IEEE requires approval of Council Budgets by the Council AdCom. Typically, these budgets are approved at our summer AdCom meeting. This year, however, IEEE was tardy in their submission of material required for preparation of the budget.

MATERIAL:
Budget as submitted to IEEE.

NNC CONTACT:

Pat Simpson, NNC Treasurer
*General Dynamics, Electronics Division*
17436 Ashburton Rd,
San Diego, CA 92128
(619) 573-2417 (W)
(619) 573-2266 (FAX)

MOTION:
The NNC hereby approves the attached budget for 1991.

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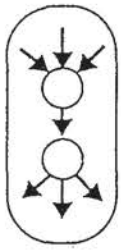
# IEEE NEURAL NETWORKS COUNCIL



Patrick K. Simpson, Treasurer
*IEEE Neural Networks Council*
General Dynamics Electronics Division
17436 Ashburton Road
San Diego, CA 92128
619/573-2417

Tania Skrinnikov
Financial Analyst
IEEE Technical Activities
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

July 10, 1990

Dear Ms. Skrinnikov

Please find enclosed a copy of the 1991 IEEE Neural Networks Council Budget, This is the first time that I have worked out the budget, but after liberal use of the Tab Finance Manual and Mel Olken's viewgraphs from the recent Finance and Conference Planning Workshop, I think I have something that we can work with. If there is anything that looks out of place, please do not hesitate to contact me at the address above.

Sincerely,

Patrick K. Simpson
NNC Treasurer

CC: Robert J. Marks II, NNC President



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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET INPUT INFORMATION
FOR THE PERIOD ENDING DECEMBER 31 , 1991
PROJECT: NEURAL NETWORK COUNCIL
TAB INPUT INFORMATION



| DESCRIPTION | | UNITS | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST |
|---|---|---|---|---|---|---|---|---|---|
| INCOME PARAMETERS : | | | | | | | | | |
| PAGE CHG BILLING RATE | U | $/PG | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 |
| INTEREST ON RESERVES | B | % | 7.50 | 7.50 | 6.50 | 6.50 | 7.00 | 7.00 | 7.50 |
| STUDENT FEE | U | % | $50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| STUDENT OPTION PERIODIC | B | % | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 |
| NO. OF FULL SUBS. | B | | 996 | 996 | 996 | 996 | 991 | 991 | 972 |
| FULL SUBSCRIPTION RATE | B | $ | 3295.00 | 3510.00 | 4035.00 | 4850.00 | 5500.00 | 5960.00 | 5960.00 |
| SECTION LIBRARY RATE | U | $ | 680.00 | 720.00 | 765.00 | 800.00 | 800.00 | 890.00 | 890.00 |
| STUDENT CHAPTER RATE | B | $ | 390.00 | 420.00 | 450.00 | 460.00 | 500.00 | 575.00 | 575.00 |
| EXPENSE PARAMETERS : | | | | | | | | | |
| FULL SUBS. EXP.COMMITMENT | B | K$ | 300.00 | 300.00 | 340.00 | 340.00 | 340.00 | 340.00 | 340.00 |
| INDEXING CHARGE/IDX PAGE | U | $ | 190.00 | 195.00 | 200.00 | 200.00 | 230.00 | 230.00 | 230.00 |
| T/J FULLY EDITED | U | $/PG | 37.55 | 39.90 | 42.50 | 43.00 | 43.00 | 43.00 | 43.00 |
| T/J AUTHOR/CAMERA READY | B | $/PG | 6.28 | 6.65 | 7.08 | 7.10 | 7.10 | 7.10 | 7.10 |
| MAG FULLY EDITED | B | $/PG | 49.50 | 59.50 | 65.00 | 67.00 | 75.00 | 75.00 | 75.00 |
| MAG AUTHOR/CAMERA READY | B | $/PG | 8.25 | 9.92 | 10.83 | 11.10 | 12.50 | 12.50 | 12.50 |
| PUBLICATION ADMINISTRATION : | | | | | | | | | |
| -T/J/M PAGES | U | $/PG | 3.05 | 3.28 | 3.50 | 3.90 | 4.49 | 4.49 | 4.49 |
| -T/J/M ISSUES | B | $/IS | 175.00 | 188.00 | 200.00 | 218.00 | 251.00 | 251.00 | 251.00 |
| -NEWSLETTER | B | $/IS | 225.00 | 250.00 | 265.00 | 280.90 | 322.00 | 322.00 | 322.00 |
| -CONF.RECORD | U | $/IS | 545.00 | 585.00 | 625.00 | 680.00 | 695.00 | 695.00 | 695.00 |
| PAGE CHARGE EPNSE | B | $/PG | 14.50 | 15.50 | 16.50 | 16.50 | 20.00 | 20.00 | 20.00 |
| HANDLG CHG PER NM SUB | B | $ | 6.00 | 6.25 | 6.50 | 7.00 | 7.35 | 7.75 | 7.75 |

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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET INPUT INFORMATION
FOR THE PERIOD ENDING DECEMBER 31 , 1991
PROJECT: NEURAL NETWORK COUNCIL
S/C FEE, MEMBER STATISTICS AND SURPLUS/RESERVE ANALYSIS



| DESCRIPTION | UNITS | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|
| SOCIETY/MEMBER FEE | B $/YR | | | | | | | | |
| NO.MEMBERS, HIGHER GRADES | B | | | | | | | | 5320 |
| | A | | | | | | | | |
| NO.STUDENT MEMBERS | B | | | | | | | | 1610 |
| | A | | | | | | | | |
| NO.AFFILIATES | B | | | | | | | | 70 |
| | A | | | | | | | | |
| TOTAL MEMBERSHIP | B | 4262 | | 4494 | 4535 | 4607 | 4864 | | 7000 |
| | A | 4443 | 4535 | 4607 | 4864 | | | | |
| JAN.1 RESERVES K$ | B K$ | | | | | | | 2.20 | 2.20 |
| | A | | | | | | | | |
| SURPLUS/DEFICIT K$ | B K$ | | | | | | 2.20 | 2.20- | |
| | A | | | | | 217.50 | | | |
| DEC.31 RESERVES K$ | B K$ | | | | | | 2.20 | | 2.20 |
| | A | | | | | 217.50 | | | |
| JAN.1 RESERVES/MEMBER $ | B $/M | | | | | | | .45 | .45 |
| | A | | | | | | | | |
| DEC 31 RESERVES/MEMBER $ | B $/M | | | | | | | | .45 |
| | A | | | | | | | | |
| SURPLUS AS % OF INCOME | B % | | | | | | 2.92 | 2.98- | |
| | A | | | | | | | | |
| SURPLUS AS % OF EXPENSE | B % | | | | | | 3.01 | 2.89- | |
| | A | | | | | | | | |
| SURPLUS AS % OF JAN.1 RES | B % | | | | | | | 100.00- | |
| | A | | | | | | | | |
| DEC. 31 RES AS % OF INC. | B % | | | | | | 2.92 | | |
| | A | | | | | | | | |
| DEC 31 RES AS % OF EXP. | B % | | | | | | 3.01 | | |
| | A | | | | | | | | |
| RES AS % OF EXPENSE | B % | | | | 100.00 | | 100.00 | 75.68 | 75.68 |
| GUIDE (+/- [illegible]) | A | | | | | | | | |

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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET INPUT INFORMATION
FOR THE PERIOD ENDING DECEMBER 31 , 1991



PROJECT: NEURAL NETWORK COUNCIL
S/C MEMBERSHIP, FEES & PUBLICATION STATISTICS FOR : T-NN

| DESCRIPTION | UNITS | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|
| ISSUES PER YEAR | B I/YR | | | | | | 4 | 4 | 6 |
| IEEE HDQ. EDITORIAL PRODUCTION : | | | | | | | | | |
| -FULLY EDITED | B PG/YR<br>A | | | | | | 320 | 320 | 480 |
| -AUTHOR/CAMERA READY | B PG/YR<br>A | | | | | | | | |
| -NONE | B PG/YR<br>A | | | | | | | | |
| MEMBER PERIODICAL RATE | B $/YR | | | | | | 10.00 | 10.00 | 10.00 |
| NON SOC MEM. IEEE RATE, N | B $/YR | | | | | | 15.00 | 15.00 | 15,00 |
| NN LIST PRICE | B $/YR | | | | | | 75.00 | 75.00 | 75.00 |
| MEMBER COPIES | B<br>A | | | | | | 4000 | 4000 | 5320 |
| STUDENT COPIES | B<br>A | | | | | | | | 1610 |
| AFFILIATE COPIES | B<br>A | | | | | | | | 70 |
| INDIV NN SUBS | B<br>A | | | | | | | | 1000 |
| PRINT RUN (COPIES/ISSUE) | B<br>A | | | | | | 5000 | 5000 | 8000 |
| EST. PRINT COST PER PAGE | B $ | | | | | | 175.00 | 184.00 | 184.00 |

P PART OF MEMBER FEE. C COMBINATION RATE WITH _____.
O MEMBER CHOOSES ONE AS PART OF FEE.
N NON SOCIETY OR NON SPONSORING SOCIETY BUT IEEE MEMBER RATE

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REPORT PROCESSED 06/12/90 RUN 1

IEEE S/C BUDGET
FOR THE PERIOD ENDING DECEMBER 31 , 1991
NEURAL NETWORK COUNCIL



| DESCRIPTION | | ACCOUNT NUMBER | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|---|
| INCOME | | | | | | | | | | |
| TRANS & OTHER MAGS. | | | | | | | | | | |
| NN SUBS IND IST | B | 8110214001 | | | | | | | | |
| | A | | | | | | .1 | | | 56.0 |
| NN ALL TRANS | B | 8110214003 | | | | | | 35.2 | 33.7 | 70.0 |
| | A | | | | | | | | | |
| TOT TRANS & OTHER N | B | | | | | | | 35.2 | 33.7 | 126.0 |
| | A | | | | | | .1 | | | |
| NON PERIODICAL SALES | | | | | | | | | | |
| CONF PUB OOP NET | B | 8110501001 | | | | | | | | |
| | A | | | | | | 38.2 | | | 2.0 |
| TOT NON PERIODICAL | B | | | | | | | | | 2.0 |
| | A | | | | | | 38.2 | | | |
| MEETINGS | | | | | | | | | | |
| 88 ICNN | B | 8110600001 | | | | | | | | |
| 89 DCNN 198K | A | | | | | | 190.9 | | | 40.0 |
| 90 IJCNN-DC 33K | | | | | | | | | | |
| 90 IJCNN-SD 5K | | | | | | | | | | |
| TOT MEETINGS | B | | | | | | | | | 40.0 |
| | A | | | | | | 190.9 | | | |
| OTHER | | | | | | | | | | |
| OTHER MISC | B | 8110890000 | | | | | | | | |
| | A | | | | | | .3 | | | |
| INT SOC TRF | B | 8110900000 | | | | | | 40.0 | 40.0 | 0.0 |
| | A | | | | | | | | | |
| TOT OTHER | B | | | | | | | 40.0 | 40.0 | 0.0 |
| | A | | | | | | .3 | | | |
| TOTAL INCOME | B | | | | | | | 75.2 | 73.7 | 168.0 |
| | A | | | | | | 229.5 | | | |

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IEEE S/C BUDGET
FOR THE PERIOD ENDING DECEMBER 31 • 1991
NEURAL NETWORK COUNCIL



| DESCRIPTION | | ACCOUNT NUMBER | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|---|
| EXPENSES | | | | | | | | | | |
| TRANS & OTHER MAGS | | | | | | | | | | |
| COMPOSITION | B | 9110214001 | | | | | | 56.0 | 58.9 | 98.3 |
| | A | | | | | | | | | |
| INDEXING | B | 9110226051 | | | | | | .8 | .8 | 1.2 |
| | A | | | | | | | | | |
| EDITORIAL H.Q | B | 9110226060 | | | | | | 13.8 | 13.8 | 20.6 |
| | A | | | | | | | | | |
| PUB ADMIN | B | 9110226061 | | | | | | 2.4 | 2.4 | 3.7 |
| | A | | | | | | | | | |
| S/C EDT REIM EX | B | 9110226070 | | | | | | | | |
| | A | | | | | | .3 | | | 10.0 |
| TOT TRANS & OTHER M | B | | | | | | | 73.0 | 75.9 | 123.8 |
| | A | | | | | | .3 | | | |
| HDQTS.SERV.TO COMM. | | | | | | | | | | |
| ADCOM | B | 9110741001 | | | | | | | | |
| | A | | | | | | .2 | | | 0.2 |
| TOT HDQTS.SERV.TO C | B | | | | | | | | | |
| | A | | | | | | .2 | | | 0.2 |
| COMM.ACT.EXT.COSTS | | | | | | | | | | |
| AD COMM | B | 9110741002 | | | | | | | | |
| | A | | | | | | 4.1 | | | 15.0 |
| TECHNICAL | B | 9110743002 | | | | | | | | |
| | A | | | | | | 4.8 | | | 15.0 |
| TOT COMM.ACT.EXT.CO | B | | | | | | | | | |
| | A | | | | | | 8.9 | | | 30.0 |
| OTHER EXPENSES | | | | | | | | | | |
| MISC OTHER | B | 9110809000 | | | | | | | | |
| | A | | | | | | 2.6 | | | 5.0 |
| TOT OTHER EXPENSES | B | | | | | | | | | 5.0 |
| | A | | | | | | 2.6 | | | |
| TOTAL EXPENSES | B | | | | | | | 73.0 | 75.9 | 159.0 |
| | A | | | | | | 12.0 | | | |

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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET
FOR THE PERIOD ENDING DECEMBER 31 , 1991
NEURAL NETWORK COUNCIL



| DESCRIPTION | ACCOUNT NUMBER | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|
| TOTAL OVERALL | B | | | | | | 2.2 | 2.2-1 | 9.0 |
| | A | | | | | 217.5 | | | |

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REPORT PROCESSED
06/12/90 RUN 1

IEEE S/C BUDGET
FOR THE PERIOD ENDING DECEMBER 31 , 1991
NEURAL NETWORK COUNCIL



| DESCRIPTION | | ACCOUNT NUMBER | PRIOR YEAR BUDGETS AND ACTUALS -5 | -4 | -3 | -2 | -1 | 1990 BUDGET | 1991 IEEE FORECAST | 1991 S/C BUDGET |
|---|---|---|---|---|---|---|---|---|---|---|
| TOT TRANS & OTHER M | B | | | | | | | 35.2 | 33.7 | 126.0 |
| | A | | | | | | .1 | | | |
| TOT NON PERIODICAL | B | | | | | | | | | 2.0 |
| | A | | | | | | 38.2 | | | |
| TOT MEETINGS | B | | | | | | | | | 40.0 |
| | A | | | | | | 190.9 | | | |
| TOT OTHER | B | | | | | | | 40.0 | 40.0 | 0.0 |
| | A | | | | | | .3 | | | |
| TOTAL INCOME | B | | | | | | | 75.2 | 73.7 | 168.0 |
| | A | | | | | | 229.5 | | | |
| TOT TRANS & OTHER M | B | | | | | | | 73.0 | 75.9 | 123.8 |
| | A | | | | | | .3 | | | |
| TOT HDQTS.SERV.TO C | B | | | | | | | | | 0.2 |
| | A | | | | | | .2 | | | |
| TOT COMM.ACT.EXT.CO | B | | | | | | | | | 30.0 |
| | A | | | | | | 8.9 | | | |
| TOT OTHER EXPENSES | B | | | | | | | | | 5.0 |
| | A | | | | | | 2.6 | | | |
| TOTAL EXPENSES | B | | | | | | | 73.0 | 75.9 | 159.0 |
| | A | | | | | | 12.0 | | | |
| TOTAL OVERALL | B | | | | | | | 2.2 | 2.2- | 9.0 |
| | A | | | | | | 217.5 | | | |

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**ITEM 5**

# NNC FORUMS

BACKGROUND:
A draft of the charter for establishment of NNC Forums was distributed by mail to NNC AdCom members prior to the San Diego AdCom meeting. Although the NNC Meetings Committee had prepared a revision of this charter, copies were not available for distribution at the meeting. Discussion at the AdCom meeting revealed a positive consensus for the establishment of the NNC Forums. In order to have the first NNC Forum in 1991, approval of the program is required in 1990.

NNC CONTACT:

Roy S. Nutter, Jr., Chair
*NNC Meetings Committee*
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

MOTION:
The NNC hereby approves the establishment of *IEEE Neural Network Council Forums* as described in the attached charter draft, dated 6-18-90.

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1990 IEEE Neural Networks Council Document
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Charter Draft, 6-18-90

# *IEEE Neural Network Council Forums*

In order to deepen investigation, encourage cross disciplinary exchange and broaden the scope of the technology of artificial neural networks, the *IEEE Neural Networks Council* (NNC) has established *IEEE NNC Forums*.

## Information

♦ *Proposals*
*NNC Forums* are selected from proposals submitted to the NNC.

♦ *Scope*
*IEEE Neural Network Council (NNC) Forums* can either be small generic regional meetings or in depth meetings wherein a specific application or aspect of neural networks is addressed (e.g. *IEEE Neural Network Council Forum on Gaming*). Sponsorship of three or four Forums each year is anticipated.

♦ *Size*
NNC Forums should be small in scope. Participation, however, must be open to all IEEE members.

♦ *Conference Management*
The responsibility of Chairing and otherwise managing the NNC Forum is the responsibility of the Proposer.

♦ *Technical Orientation*
The technical orientation and content of the Forum will be designated by the Proposer.

## NNC Support

♦ *Publicity*
Forums will publicized in the IEEE Transactions on Neural Networks.

♦ *Publications*
Proceedings from selected Forums will be published by the IEEE NNC.

♦ *Financial*
Accepted proposals are eligible for nominal monetary advances from the NNC for financing the Forum.

## Proposals

Standard IEEE Conference planning and information packets are available from the NNC Meetings Chair:

Roy S. Nutter, Jr. Chair
West Virginia University
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

The following items should be included in a proposal to host an NNC Forum:

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# ITEM 6

# STANDING COMMITTEE CHAIRS & EDITOR

BACKGROUND:
The NNC Constitution requires the consent of the NNC AdCom for the President's appointment of Standing Committee Chairs and Editors. The following are the appointees for the calendar year 1991. Each appointee is an NNC AdCom member. Note that consent for Roy Nutter as Meetings Chair was given at the San Diego AdCom meeting. If you choose to caste a split vote - positive for some and against or abstaining for the remainder - you may so indicate on your ballot.

NNC CONTACT:

Robert J. Marks II, NNC President
Interactive Systems Design Laboratory
Department of Electrical Engineering,
University of Washington
Seattle, WA 98195
(206) 543-6990
marks@blake.acs.washington.edu
FAX:(206)543-3842

MOTION:
The NNC hereby consents to the following appointments by the NNC President:

| | |
|---|---|
| Editor, IEEE Trans. on NN's | Herbert E. Rauch |
| Chair, NNC Awards Committee | Bradley Dickinson |
| Chair, NNC Publications Committee | Toshio Fukuda |

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♦ *Scope*
A brief summary of the objectives of the Forum not to exceed one page.

♦ *Plan*
An explanation of how the objectives are to be met. This explanation should also not exceed one page.

♦ *Budget*
A budget submitted on an IEEE Budget form. Budgets should be conservative and include reimbursement of the NNC advance to the Forum.

♦ *Forum Committee*
Names and one page cv's of the Conference Organizing Committee members, including the Forum's General Chair and Finance Chair.

♦ *Management*
A statement of the manner in which the Forum is to be managed.

♦ *Endorsement*
A letter of endorsement from an NNC AdCom member or, in the case of a proposal from an NNC AdCom member, from the President of an NNC member Society.

## Awards

*Selection Criteria:*

Seven Copies of Forum Proposals are to be submitted to the NNC Meetings Chair by May 1. The meetings committee will review the proposals and announce the awards by August 1.

Proposals will be selected by the following criteria:

- The technical and/or regional contribution of the Forum to the field of neural networks.
- The professional quality of the proposed Forum.
- The credentials of the Organizing Committee
- The degree of involvement of IEEE and NNC Society members in the Conference Organizing Committee.

## Requirements

♦ *IEEE*
An *NNC Forum* must adhere to all IEEE meeting regulations and guidelines.

♦ *Finance*

- All accounts will include the NNC Treasurer as signatory and are subject to IEEE audit.
- Financial shortages and surpluses will be dispersed according to IEEE policy .

♦ *Name*
The name of both the meeting and the Proceedings will begin with the phrase "IEEE NNC Forum"

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**ITEM 2**

# IOC AGREEMENT CHANGE

BACKGROUND:
At its 1990 San Diego AdCom meeting, the NNC approved an agreement with the *International Neural Networks Society* (INNS) concerning the joint sponsoring of IJCNN's. This agreement was subsequently reviewed by *IEEE Conference Services* who requested some changes. The changes were submitted to the INNS for their approval. The NNC must also approve the changes.

MATERIAL:
Correspondence to and from *IEEE Conference Services.* Correspondence to the INNS concerning the required changes. A copy of the latest Agreement was distributed at the San Diego AdCom meeting in June. If you would like a copy sent by mail or e-mail, contact Bob Marks.

NNC CONTACT:

Roy S. Nutter, Jr., Chair
*NNC Meetings Committee*
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

MOTION:
The NNC hereby approves the changes to the 6/19/90 draft of the Agreement between the IEEE NNC and INNS as specified in the attached letter from Marks to Widrow.

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1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

# ITEM 3

## NNC Bylaw Change

BACKGROUND:
In order to recognize the time and degree of participation of member IEEE Societies, a motion for the changing of the NNC Constitution and Bylaws was made at the San Diego AdCom meeting. Although the motion was defeated, the AdCom still felt the issue needed to be addressed. An *ad hoc* committee was formed to investigate the matter and bring the matter before the NNC AdCom. The members were AdCom members Don E. Brown and Charles J. Robinson (Robinson is also President of *EMBS*) and James Tien, President of *Systems, Man & Cybernetics*. Their recommendation is the passing of this motion and the indication of the date of membership of each member Society in the Transactions. (The list of member Societies has been appearing on the inside back cover.) The Transactions Editor, Herb Rauch, has agreed to this dating beginning in 1991.

NNC CONTACT:
Don E. Brown
Dept. of Systems Engineering
University of Virginia
Charlottesville, VA 22903
(804) 924-5393
deb@virginia.bitnet

MOTION:
Change Article V, Section 4 of the Bylaws of the NNC Constitution to

ARTICLE V

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years, each member Society's share will be proportional to the number of years that Society has been a member of the IEEE Neural Network Council (founded 1990) and/or member of the IEEE Neural Networks Committee (founded 1987 and dissolved 1989).

INFORMATION:
A two thirds vote of the AdCom is required to ratify this change. Currently, the bylaw reads as:

ARTICLE V

Section 3. In the event of a distribution of surplus, or payment of a deficit, during the first year of publication of a Council periodical, each Council Member Society shall receive or pay an equal share.

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years of publication of a Council periodical, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the periodicals as of September 30th. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

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# ITEM 4

## 1991 Budget

BACKGROUND:
IEEE requires approval of Council Budgets by the Council AdCom. Typically, these budgets are approved at our summer AdCom meeting. This year, however, IEEE was tardy in their submission of material required for preparation of the budget.

MATERIAL:
Budget as submitted to IEEE.

NNC CONTACT:

Pat Simpson, NNC Treasurer
*General Dynamics, Electronics Division*
17436 Ashburton Rd,
San Diego, CA 92128
(619) 573-2417 (W)
(619) 573-2266 (FAX)

MOTION:
The NNC hereby approves the attached budget for 1991.

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♦ *Scope*
A brief summary of the objectives of the Forum not to exceed one page.

♦ *Plan*
An explanation of how the objectives are to be met. This explanation should also not exceed one page.

♦ *Budget*
A budget submitted on an IEEE Budget form. Budgets should be conservative and include reimbursement of the NNC advance to the Forum.

♦ *Forum Committee*
Names and one page cv's of the Conference Organizing Committee members, including the Forum's General Chair and Finance Chair.

♦ *Management*
A statement of the manner in which the Forum is to be managed.

♦ *Endorsement*
A letter of endorsement from an NNC AdCom member or, in the case of a proposal from an NNC AdCom member, from the President of an NNC member Society.

## Awards

*Selection Criteria:*

Seven Copies of Forum Proposals are to be submitted to the NNC Meetings Chair by May 1. The meetings committee will review the proposals and announce the awards by August 1.

Proposals will be selected by the following criteria:

- The technical and/or regional contribution of the Forum to the field of neural networks.
- The professional quality of the proposed Forum.
- The credentials of the Organizing Committee
- The degree of involvement of IEEE and NNC Society members in the Conference Organizing Committee.

## Requirements

♦ *IEEE*
An *NNC Forum* must adhere to all IEEE meeting regulations and guidelines.

♦ *Finance*

- All accounts will include the NNC Treasurer as signatory and are subject to IEEE audit.
- Financial shortages and surpluses will be dispersed according to IEEE policy .

♦ *Name*
The name of both the meeting and the Proceedings will begin with the phrase "IEEE NNC Forum"

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**ITEM 5**

# NNC FORUMS

BACKGROUND:
A draft of the charter for establishment of NNC Forums was distributed by mail to NNC AdCom members prior to the San Diego AdCom meeting. Although the NNC Meetings Committee had prepared a revision of this charter, copies were not available for distribution at the meeting. Discussion at the AdCom meeting revealed a positive consensus for the establishment of the NNC Forums. In order to have the first NNC Forum in 1991, approval of the program is required in 1990.

NNC CONTACT:

Roy S. Nutter, Jr., Chair
*NNC Meetings Committee*
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

MOTION:
The NNC hereby approves the establishment of *IEEE Neural Network Council Forums* as described in the attached charter draft, dated 6-18-90.

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Charter Draft, 6-18-90

# *IEEE Neural Network Council Forums*

In order to deepen investigation, encourage cross disciplinary exchange and broaden the scope of the technology of artificial neural networks, the *IEEE Neural Networks Council* (NNC) has established *IEEE NNC Forums*.

## Information

♦ *Proposals*
*NNC Forums* are selected from proposals submitted to the NNC.

♦ *Scope*
*IEEE Neural Network Council (NNC) Forums* can either be small generic regional meetings or in depth meetings wherein a specific application or aspect of neural networks is addressed (e.g. *IEEE Neural Network Council Forum on Gaming*). Sponsorship of three or four Forums each year is anticipated.

♦ *Size*
NNC Forums should be small in scope. Participation, however, must be open to all IEEE members.

♦ *Conference Management*
The responsibility of Chairing and otherwise managing the NNC Forum is the responsibility of the Proposer.

♦ *Technical Orientation*
The technical orientation and content of the Forum will be designated by the Proposer.

## NNC Support

♦ *Publicity*
Forums will publicized in the IEEE Transactions on Neural Networks.

♦ *Publications*
Proceedings from selected Forums will be published by the IEEE NNC.

♦ *Financial*
Accepted proposals are eligible for nominal monetary advances from the NNC for financing the Forum.

## Proposals

Standard IEEE Conference planning and information packets are available from the NNC Meetings Chair:

Roy S. Nutter, Jr. Chair
West Virginia University
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6375, Ext.23
rsn@a.coe.wvu.wvnet.edu

The following items should be included in a proposal to host an NNC Forum:

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# ITEM 6

## STANDING COMMITTEE CHAIRS & EDITOR

BACKGROUND:
The NNC Constitution requires the consent of the NNC AdCom for the President's appointment of Standing Committee Chairs and Editors. The following are the appointees for the calendar year 1991. Each appointee is an NNC AdCom member. Note that consent for Roy Nutter as Meetings Chair was given at the San Diego AdCom meeting. If you choose to caste a split vote - positive for some and against or abstaining for the remainder - you may so indicate on your ballot.

NNC CONTACT:

Robert J. Marks II, NNC President
Interactive Systems Design Laboratory
Department of Electrical Engineering,
University of Washington
Seattle, WA 98195
(206) 543-6990
marks@blake.acs.washington.edu
FAX:(206)543-3842

MOTION:
The NNC hereby consents to the following appointments by the NNC President:

| | |
|---|---|
| Editor, IEEE Trans. on NN's | Herbert E. Rauch |
| Chair, NNC Awards Committee | Bradley Dickinson |
| Chair, NNC Publications Committee | Toshio Fukuda |

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## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

10-23-90

To: Members of the NNC AdCom

The purpose of this letter is to brief you on a number of items concerning the *IEEE Neural Networks Council* (NNC).

- I am delighted to announce that Dr. Michael W. Roth has agreed to accept the position of Editor-in-Chief of the *IEEE Transactions on Neural Networks* for 1991. Dr. Roth, who has been active with the *Transactions* as the Book Review Editor and as an Associate Editor, was recommended unanimously by the Council's ExCom.

  Dr. Herbert E. Rauch, the Founding Editor and current Editor-in-Chief of the *IEEE Transactions on Neural Networks* initially agreed to serve for a period of one year. We are indebted to Herb for the formation and the current high quality of the *Transactions*. Due to the unexpectedly high rate of paper submissions (currently about 30 papers each month) coupled with other professional demands, Herb reluctantly decided not to continue for a second year. The first few of the 1991 issues will still be under Herb's editorial guidance, including a special issue on neural network hardware.

- All of the items on the previous mail ballot have been approved by majority (or, in case of the Bylaws amendment, by a two thirds) vote of the AdCom. The FAX, surface mail and e-mail ballots have been sent to Dr. Evangelia Tzanakou, NNC Secretary, who will report the final tally at our next AdCom meeting.

- I have been informed orally by Dr. Bernard Widrow, INNS President, that the INNS has approved the Agreement, Bylaws and Amendment concerning the joint offering of IJCNN's. Our Council, of course, has done the same.

- In late summer, I appointed an *ad hoc* Student Liaison Committee for the purpose of exploring ways in which the Council can interact with students involved in the study of neural networks. The committee is composed of Pat Simpson, NNC Treasurer & Committee Chair and Karen Haines, the current President of ISSNNet. ISSNNet is a student neural network organization that has provided invaluable volunteer service at recent IJCNN's. Possible interactions include student travel support and the sponsoring of student oriented technical activities at conferences.

- At the response to proposals from NNC AdCom members, the Council ExCom, after recomendation of the Meetings Committee, has approved involvement of the NNC as a Participating society in two upcoming workshops on neural networks. These workshops are sponsored by the *IEEE Oceanic Engineering Society* and the *IEEE Signal Processing Society*. The workshops are, respectively, *Neural Networks for Ocean Engineering*



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*Workshop*, Washington DC, Aug 15-17 1991 and *The First IEEE-SP Workshop on NN's for Signal Processing*, Princeton, NJ, Sept.29-Oct 2, 1991. In both cases, the participation requires no financial obligation on the part of the Council. We are, however, significantly involved in the technical aspects of the workshops through the participation of AdCom members. I anticipate publicity for these workshops appearing in the *Transactions*. The contacts for further information on these workshops are AdCom members B. H. Juang or Richard P. Lippmann for *Signal Processing* and Pat Simpson for *Oceanic Engineering*.

- I have appointed Dr. Russ Eberhart, NNC Vice President, to represent the Council at the *China Conference on Neural Networks*, Dec 10-14, Beijing. The Council's representation at the conference was recommended by Dr. Irv Engelson at IEEE.

- Prof. Evangelia Tzanakou, Chair of the NNC *ad hoc* Standards Committee, will be representing the Council at a neural networks standards meeting hosted at Auburn University in February. Other NNC AdCom and IEEE participants interested in Standards should contact Dr. Tzanakou for further information. John J. Woods, IEEE Staff Engineer, has been appointed as IEEE liaison to our Standards Committee. Due to the increased activity, interest and relevance of this committee, I will propose its elevation to a Standing Committee next year.

- Some money matters:
  1. Dr. Walter Karplus, Co-Chair of the 1990 San Diego IJCNN, has informed me that the conference had a healthy surplus. The conference audit is nearly complete.
  2. The Council ExCom has approved the deposit of $100k of Council funds to the retirement of an IEEE loan. Basically, IEEE is paying off a loan with the money of Societies & Councils who wish to participate. The IEEE then pays the Societies & Councils interest that would have before gone to the bank.
  3. Starting in 1991, the *IEEE Transactions on Neural Networks* will be instituting standard voluntary page charges of $110 per page.
  4. The INNS has not yet responded to our request for a modified budget for the Seattle IJCNN. Our objections remain (a) the use of about $90,000 for conference publicity and (b) a liberally high estimate of the attendance. Our AdCom, of course, needs to approve the budgets of all of the IJCNN's

- There are matters on which the Council must act early next year at the latest. Items include conference budget approval, Council consent on 1991 Presidential appointees, and Council participation in various upcoming conferences & tutorials. Although I am currently leaning towards a mail ballot with items generated by approval of the ExCom, an AdCom meeting in January is also an option. Mail ballots, although convenient, do not allow the debate available in AdCom. Currently, our scheduled AdCom meetings for 1991 are at the Seattle and Singapore IJCNN's.

I would appreciate any comments you have on these and other matters before the NNC.

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Anthony Ephremides, Division X
Walter Karplus, 1990 San Diego IJCNN
Clifford Lau, 1992 Baltimore IJCNN
Ms. Karen Haines, ISSNNet Pres.
Teck-Seng Low, 91 Sigapore IJCNN
Les E. Atlas, Signal Processing (91)

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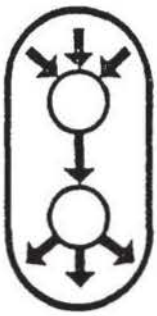
# COUNCIL ON NEURAL NETWORKS

NNC ExCom

Dec 7, 1990



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# COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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marks@blake.acs.washington.edu

11-30-90

DEAR NNC EXCOM MEMBERS:

THE NNC EXCOM WILL HAVE A TELECONFERENCE ON FRIDAY, DECEMBER 7 AT 2:00 P.M. SEATTLE TIME. A PROPOSED AGENDA IS ATTACHED. YOU WILL BE CALLED AT THE UNDERLINED TELEPHONE NUMBER.

Best regards,

Robert J. Marks II, President
IEEE NNC

**President**

Robert J. Marks II
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
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**IEEE Transactions on Neural Networks**

***Editor-in Chief***

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FAX: (415) 424-2662

**Awards Committee**

Bradley Dickinson, Chair
Dept. of Electrical Engineering
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Princeton, NJ 08544
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(609)258 -4644
FAX: (609) 258-3745

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FAX: (304) 293 5024
(H) (304) 599-8838

**Publications Committee**

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Department of Mechanical Eng.
Furo-Cho, Chikusa-Ku
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(052) 781-5111, Ex. 4478, 3301
FAX: (052) 781-9243
d43131a@nucc.nagoya-u.ac.jp
Prof. Fukuda will be participating from the Hilton Hawaiian Village.
Hotel TEL:(808)949-4321
Hotel FAX:(808)955-3027

**Prof. Fukuda's package shipped to the Hawaiian Hilton.**

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# Proposed Agenda

Herb Mike Toshie enf → Chair

Sec Pro Tem
Roll Call →
~~Ex Com → Wh~~

1. Adoption of Agenda — Still
2. Approval of Minutes — TAB 1
3. President's Report — TAB 2
   - ♦ TAB Report
   - ♦ Awards
   - ♦ ~~Officer Liaison Duties~~
   - ♦ Future of the Council
   - ♦ Council Newsletter
4. VP Report
   - ♦ Meetings Focus
5. Transactions Editor's Report
   - ♦ Page Increase — TAB 3
6. Secretary's Report
7. Treasurer's Report — TAB 4
   - ♦ IJCNN Seattle Budget
   - ♦ Financial Status
8. Old Business
   - ♦ Japan IJCNN — TAB 5
   - ♦ Newsletter
9. New Business
   - ♦ Meetings — TAB 6
   - ♦ Appointments — TAB 7
     - > TAB
     - > Standards Committee
     - > Nominations Committee
   - ♦ TAB Stratigic Plan — Bob — TAB 8

Why? Fuzzy Conference
Newsletter
Forum
Intro
Japan IJCNN
Baltimore IJCNN
Budget

Roth

- $300 per for travel in Jan
- Sat Jan 26 in S.D. or Chi
  - Morning Comm Meet
  - Stand
  - Evening - Ad Com
- Takes 4 to call it.

Australia '93

Next Ad Com

ASSP

Standards
Nominations Chair

Summary of Action Items

Man
J. Patrick Reilly

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# TAB 1

# Minutes

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# EXCOM MINUTES - September 25, 1990

"Present": R. Marks II, presiding
R. Nutter
P. Simpson
H. Rauch
E. Tzanakou

The meeting was called to order at 4:10pm. The agenda was adopted with the addition of H. Rauch's report.

H. Rauch reported that the first issue of the IEEE Transactions on Neural Networks will be reprinted while the 2nd has about 2,000 extra issues and the 3rd about 1,000 extra issues.

Item 4 of the agenda was approved.

A discussion took place on the new editor of the Transactions. M. Roth was approved as a good choice.

P. Simpson reported on the audit for the 1989 Conference and he mentioned that he still expects a check from N. DeClaris in the amount of $2,000. This check was presented by N. DeClaris in the San Diego meeting but it had the wrong name on it.

R. Marks discussed why he believed we should have a dissolvement from INNS and P. Simpson mentioned that he had talked to M. Candill about it.

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H. Rauch moved that the relationship be dissolved.

A lot of discussion took place on the pros and cons of the dissolvement and finally the motion was withdrawn with the understanding that R. Marks will have the right to dissolve it by default, if the agreement is not signed as submitted by the 1st of November 1990. This will be sent to B. Widrow in a letter form by B. Marks saying that we expect ratification of the bylaws and the agreement totally approved by the above mentioned date.

The meeting was adjourned at 5:50pm.

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# TAB 2

# President's Report

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# BILLING/INVOICE CHANGE

Suggest that Transactions/Journal Editors initiate billing, with an appropriately worded form, at the time authors are informed that their paper is accepted for publication.

This would speed up billing by about 5 months which should reduce page charge recovery losses. It would also be helpful to those institutions which request/require approval of payment before the product has been produced.

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**INFORMATION:**

Over the years I have heard numerous complaints from authors about the word *voluntary* with reference to Page Charges. If it is truly voluntary, then there should be no complaint if a promise is not honored. The use of this word places a severe strain sometimes between an author and his institution. The author may be fully supportive of the cause, but the institution counters with an argument that the *promise* need not be honored since it is a *voluntary* charge. The real meaning of the word *voluntary* as used by IEEE should be changed to *optional*, and another word like *sustaining* should be added to convey the purpose of establishing the page charges.

**SUGGESTED ACTION:**

It is suggested that the words *optional sustaining page charge* be adopted to replace *voluntary page charge*. The word *optional* should appear only once on each document, and dropped thereafter instead of continually stressing it. Suggested amendments are marked on the enclosures for your consideration.

1. Amend IEEE Policy 6.9 - PAGE CHARGES
2. Revise "IMPORTANT INSTRUCTIONS FOR AUTHORS ON REPRINTS AND SPECIAL CHARGES."
3. Advise TAB and PUB of intentions.
4. Proposed Amendments to Policy 6.9 to be approved by PUB and TAB.
5. Proposed Amendments to Policy 6.9 to be approved by BoD.

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International Business Machines Corporation

Thomas J. Watson Research Center
Room H2-A12
P.O. Box 704
Yorktown Heights, New York 10598
914/784-7811 (Voice)
914/784-7455 (FAX)
CSNET: hstone@ibm.com
November 20th, 1990

Prof. Robert J. Marks, II
Dept. of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195

Dear Prof. Marks:

I am pleased to write to you to inform you of that TAB ARC voted to endorse your proposed IEEE Neural Networks Council Pioneer Award and of your IEEE Transactions on Neural Networks Outstanding Paper Award.

The next question to answer is in regard to what more needs to be done before you can give the awards. I believe that the IEEE Neural Networks Council is now authorized to make these awards. TAB ARC was delegated the authority to approve such awards by the IEEE Awards Board one month ago. However, this delegation of authority may require confirmation by TAB Liaison, and this is on the agenda at the meeting that is currently in progress.

You should proceed as if the awards are authorized. If it turns out that TAB ARC will not be delegated approval authority, I will contact you. If anything more needs to be done, I will know rather soon. In the meantime, I wish you great success in honoring deserving candidates.

Sincerely,

Harold S. Stone

Harold S. Stone
Chair, IEEE TAB ARC

cc: Georgina Crane

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**TECHNICAL ACTIVITIES**
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. TELEX 833-233

OFFICE OF THE STAFF DIRECTOR (201) 562-3900

October 12, 1990

Prof. Robert J. Marks, II
Dept. of Electrical Engineering
University of Washington
MS FT-10
Seattle, WA 98195

Dear Bob:

I am following up on my telephone conversation with you regarding the Neural Networks Conference that will be held in China later this year.

About a week ago I had two IEEE volunteers from China visit my office. One was the General Secretary of the IEEE Beijing Section, and the second was their Treasurer. I have met these two gentlemen on several occasions during my visits to China and during their visits to the United States.

The IEEE Beijing Section is very active, and they are attempting to increase their activities in various areas of modern technology. In that connection, they informed me of a major conference on Neural Networks which is being planned in China and asked if I could recommend a speaker/participant from the United States to attend the conference. They would cover all expenses while in China so the person would only have to fly in and out of Beijing.

I am convinced that such an individual will be very warmly received by our Chinese colleagues and will have an opportunity to see some interesting sights in China, in addition to the new technical contact that individual will make. I believe that our Neural Networks Council will benefit from such an interaction in Region 10.

If you agree, I will be glad to help with contacting the Chinese.

Sincerely,

Irving Engelson
Staff Director

IE:am

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# TAB 3

# Editor's Report

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## NEURAL NETWORKS COUNCIL

Herbert E. Rauch, Editor
IEEE TRANSACTIONS ON
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Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA
(415) 424-2704
Fax: (415) 424-2662

November 8, 1990

To Marks, Eberhart, Tzanakou, Simpson, Roth

Subject INCREASED PAGE BUDGET FOR 1991

Bob Marks asked me to put together a revised 1991 page budget for the Transactions.The current page budget for 1991 is 480 pages. The January 1991 issue will have about 180 pages and the March 1991 issue should have close to 100 pages. That leaves a total of 200 pages for the last four issues.

I talked with Tanya Skrinnikov at IEEE (201-562-3860) to obtain this information. For 1990 the Transactions should have a surplus of $39.6K as explained in the attached. The IEEE budget for 1991 gives a surplus of $69.9K. However, about $45K of that surplus may be due to unrealistic assumptions about non-IEEE subscriptions as explained in the attached. Using the actual 1990 subscriptions for the 1991 budget and adding voluntary page charge income of $5.8K and increasing the total pages in 1991 to 640 gives a net deficit of $5.5K for 1991.

I RECOMMEND THAT WE INCREASE THE 1991 PAGE BUDGET TO 640 PAGES

HERB



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TANYA SKRINNIKOV AT IEEE (201) 562-3860 PROVIDED THE INFORMATION ATTACHED.

- THE 1990 IEEE ACTUAL FIGURES SHOW THE ACTUAL INCOME AS OF SEPTEMBER 1990 AND THE ACTUAL EXPENSES AS OF SEPTEMBER 1990 WITH AN INCREMENT ADDED TO 1990 EXPENSES TO ACCOUNT FOR DECEMBER 1990 ISSUE.
- THE 1991 IEEE BUDGET FIGURES SHOW IEEE ESTIMATES. WHICH ARE REALISTIC EXCEPT FOR. NON-IEEE SOBSCRIBERS IN 1991 ($75K)
- THE 1991 REVISED BUDGET USES ACTUAL NON-IEEE SUBSCRIBER INCOME FROM 1990 ($13.4K) WHICH IS MORE REALISTIC. IT ALSO HAS "VOLUNTARY PAGE CHARGES" (20% OF APPLICABLE PAGES AT $90 PER PAGE) AND INCREASE OF PAGES FROM 480 TO 640.

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| YEAR | 1990 IEEE ACTUAL | 1991 IEEE BUDGET | 1991 REVISED BUDGET |
|---|---|---|---|
| PAGES | 320 | 480 | 640 |
| **INCOME** | | | |
| VOLUNTARY PAGE CHARGES | | | 5.8K |
| TRANSACTIONS PACKAGE (1000 COPIES) | $34.6K | 65.5K | 65.5K |
| NON IEEE | 13.4K | 75.0K | 13.4K |
| IEEE NOT NNC | 17.1K | | 17.1K |
| IEEE NNC | 53.7K | 53.2K | 53.7K |
| **INCOME TOTAL** | $118.8 | $193.7 | $155.5 |
| **EXPENSES** | | | |
| IEEE PUBLICATIONS | $77.2K | $113.8K | $151K |
| EDITOR EXPENSES | 2.K | 10K | 10K |
| **EXPENSE TOTAL** | $79.2K | $123.8K | $161K |
| **POTENTIAL SURPLUS** | $39.6 | $69.9K | DEFICIT $5.5 |

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# TAB 4

# Treasurer's Report

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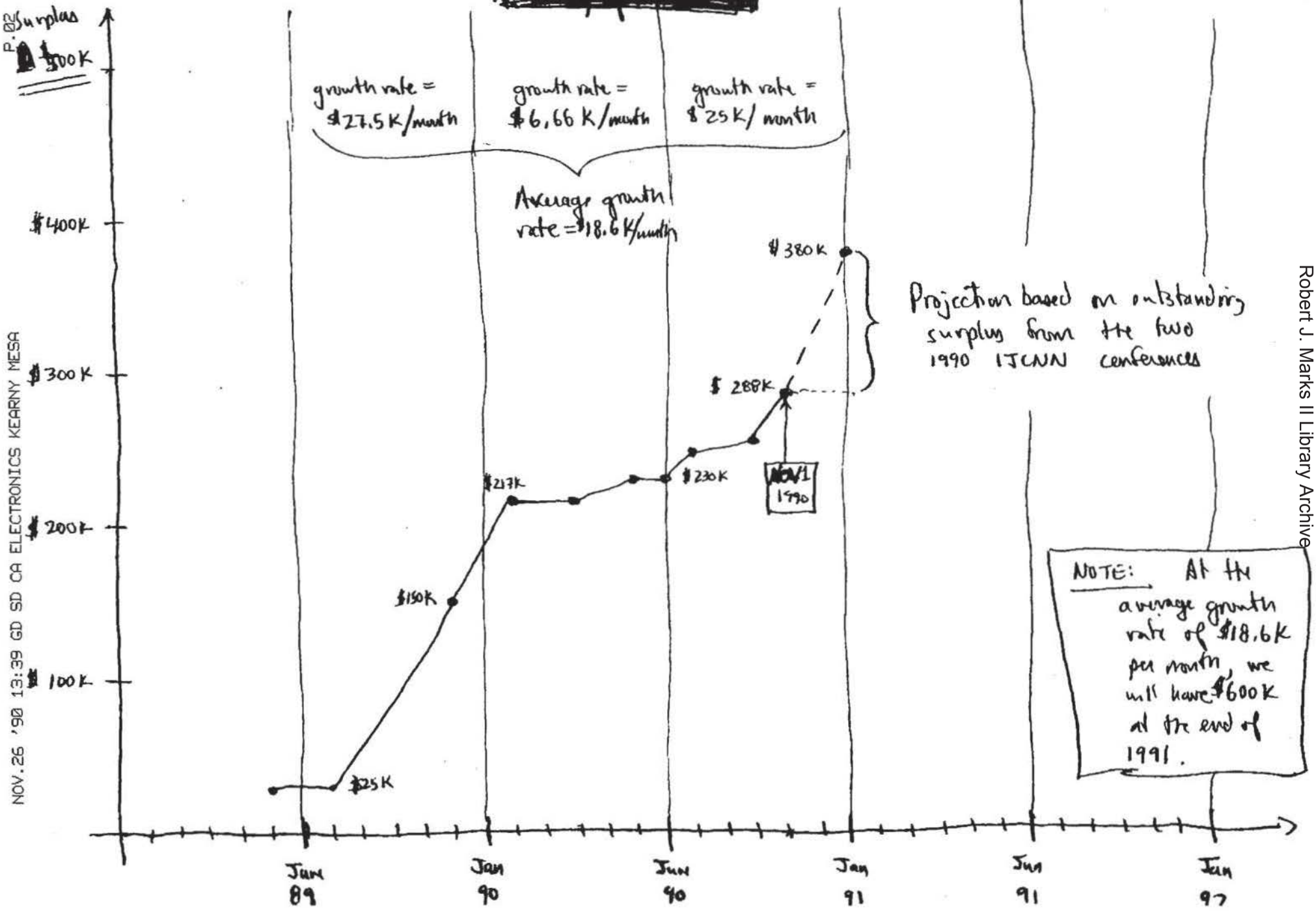
P.02
NOV.26 '90 13:39 GD SD CA ELECTRONICS KEARNY MESA

# Financial Status

11/26/90



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8-Oct-90

# IJCNN-91-SEATTLE Expense Budget

| Number of Attendees | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 |
|---|---|---|---|---|---|---|---|---|
| **MARKETING/PROMOTION** | | | | | | | | |
| Brochure Printing (75000) | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |
| Mailing (50000) | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 |
| Mailing Lists (25000) | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 |
| Advertisements | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |
| Public Relations/Press | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 |
| Miscellaneous Promotion | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 |
| **Total Marketing** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** |
| **SOCIAL FUNCTIONS** | | | | | | | | |
| Tuesday Eve Reception | $15,625 | $18,750 | $21,875 | $25,000 | $28,125 | $31,250 | $34,375 | $37,500 |
| Coffee Breaks | $9,375 | $11,250 | $13,125 | $15,000 | $16,875 | $18,750 | $20,625 | $22,500 |
| Press Functions | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| **Total Social Functions** | **$35,000** | **$40,000** | **$45,000** | **$50,000** | **$55,000** | **$60,000** | **$65,000** | **$70,000** |
| **REGISTRATION EXPENSES** | | | | | | | | |
| Credit Card Fees | $2,578 | $3,093 | $3,609 | $4,124 | $4,640 | $5,155 | $5,671 | $6,186 |
| Attendee Packet | $12,513 | $14,300 | $16,088 | $17,875 | $19,663 | $21,450 | $23,238 | $25,025 |
| Final Program | $9,625 | $11,000 | $12,375 | $13,750 | $15,125 | $16,500 | $17,875 | $19,250 |
| Meeting Mgr On-Site Exp | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Phone/Postage/Etc. | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| Meeting Mgr Fee | $31,250 | $37,500 | $43,750 | $50,000 | $56,250 | $62,500 | $68,750 | $75,000 |
| Tot Regis. Expenses | $57,465 | $67,393 | $77,321 | $87,249 | $97,177 | $107,105 | $117,033 | $126,961 |
| **MEETING RENT & FEES** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** |
| **PUBLICATION EXPENSES** | | | | | | | | |
| Review Expenses | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 |
| Proceedings Publication | $31,250 | $37,500 | $43,750 | $50,000 | $56,250 | $62,500 | $68,750 | $75,000 |
| Posters & Prelim Program | $10,375 | $11,500 | $12,625 | $13,750 | $14,875 | $16,000 | $17,125 | $18,250 |
| **Tot Pub Expenses** | **$59,525** | **$66,900** | **$74,275** | **$81,650** | **$89,025** | **$96,400** | **$103,775** | **$111,150** |
| **ADMINISTRATION EXPENSES** | | | | | | | | |
| Insurance/Bonding | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Security & Guards | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 |
| Audio/Visual Equipment | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 |
| Office Equip (fax,copy, etc.) | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| Signage/Forms | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Telephone | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Auditing | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 |
| Bookkeeping/Finance | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| **Tot Admin Expenses** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** |
| **SEED MONEY TO 92 CONF** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** |
| **COMMITTEE EXPENSES** | | | | | | | | |
| Tutorial Speaker Fees | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 |
| Travel Expenses, Tutorial | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 |
| Plenary Speaker Travel | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 |
| Committee Travel | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 |
| 2 Comp Suites (INNS/IEEE) | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 |
| Committee Phone Expenses | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 |
| Fax/Express Mail | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| **Tot Comm. Expenses** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** |
| **EXHIBIT EXPENSES** | | | | | | | | |
| Hall Rental | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 |
| Exhibit Management | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| Exhibit Coordination & Marketing | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 |
| **Tot Exhibit Expenses** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** |
| **Total Conference Expenses** | **$421,645** | **$443,948** | **$466,251** | **$488,554** | **$510,857** | **$533,160** | **$555,463** | **$577,766** |

Officially Submitted Budget

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8-Oct-90

# IJCNN-91-Seattle REVISED Budget Income

| | Member | Non-Member | Student |
|---|---|---|---|
| Early Pre-Reg Fee | $195 | $295 | $50 |
| Late Pre-Reg Fee | $295 | $395 | $75 |
| On-Site Reg Fee | $395 | $495 | $95 |
| Tutorial Fee | $195 | $195 | $55 |
| One-Day Fee | $125 | $175 | |

| Number of Attendees | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 |
|---|---|---|---|---|---|---|---|---|
| **Registration Income** | | | | | | | | |
| Member Early Pre-Reg | $34,125 | $40,950 | $47,775 | $54,600 | $61,425 | $68,250 | $75,075 | $81,900 |
| Non-Mem Early Pre-Reg | $34,125 | $40,950 | $47,775 | $54,600 | $61,425 | $68,250 | $75,075 | $81,900 |
| Member Late Pre-Reg | $51,625 | $61,950 | $72,275 | $82,600 | $92,925 | $103,250 | $113,575 | $123,900 |
| Non-Mem Late Pre-Reg | $51,625 | $61,950 | $72,275 | $82,600 | $92,925 | $103,250 | $113,575 | $123,900 |
| Member On-Site | $69,125 | $82,950 | $96,775 | $110,600 | $124,425 | $138,250 | $152,075 | $165,900 |
| Non-Member On-Site | $86,625 | $103,950 | $121,275 | $138,600 | $155,925 | $173,250 | $190,575 | $207,900 |
| Student Early | $4,375 | $5,250 | $6,125 | $7,000 | $7,875 | $8,750 | $9,625 | $10,500 |
| Student On-Site | $8,313 | $9,975 | $11,638 | $13,300 | $14,963 | $16,625 | $18,288 | $19,950 |
| Member One-Day | $1,563 | $1,875 | $2,188 | $2,500 | $2,813 | $3,125 | $3,438 | $3,750 |
| Non-Mem One-Day | $2,188 | $2,625 | $3,063 | $3,500 | $3,938 | $4,375 | $4,813 | $5,250 |
| **Tot Regis. Income** | **$343,688** | **$412,425** | **$481,163** | **$549,900** | **$618,638** | **$687,375** | **$756,113** | **$824,850** |
| **Conference Promo Sales** | **$1,125** | **$1,350** | **$1,575** | **$1,800** | **$2,025** | **$2,250** | **$2,475** | **$2,700** |
| Exhibits | $50,250 | $50,250 | $50,250 | $50,250 | $50,250 | $50,250 | $50,250 | $50,250 |
| Exhibitor Ads | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 |
| **Other Income** | | | | | | | | |
| Interest | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 |
| Advance from INNS | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 |
| Hotel Room Surcharge | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 |
| Social Func. Tickets | $875 | $1,050 | $1,225 | $1,400 | $1,575 | $1,750 | $1,925 | $2,100 |
| Tutorial Fees | $27,563 | $33,075 | $38,588 | $44,100 | $49,613 | $55,125 | $60,638 | $66,150 |
| **TOTAL INCOME** | **$499,000** | **$573,650** | **$648,300** | **$722,950** | **$797,600** | **$872,250** | **$946,900** | **$1,021,550** |
| **TOTAL EXPENSES** | **$421,645** | **$443,948** | **$466,251** | **$488,554** | **$510,857** | **$533,160** | **$555,463** | **$577,766** |
| **NET SURPLUS** | **$77,355** | **$129,702** | **$182,049** | **$234,396** | **$286,743** | **$339,090** | **$391,437** | **$443,784** |
| **SURPLUS plus SEED MONEY** | **$127,355** | **$179,702** | **$232,049** | **$284,396** | **$336,743** | **$389,090** | **$441,437** | **$493,784** |

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# TAB 5

# Japan IJCNN

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# TAB 6
# Meetings

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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October 17, 1990

Dr. Roy Nutter, Chair
NNC Meetings Committee
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, West Virginia 26506

Dear Roy,

The attached letter from Dr. Knowles describes an activity of the type in which our Council may wish to participate. Please have your committee review this letter and propose action you feel appropriate.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary
Pat Simpson, NNC Treasurer
NNC Meetings Committee:
Walter Karplus
Ed Posner
Robert Newcomb
Gareth Knowles



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Tel: (516) 575-3507

3rd Oct. 1990

Prof. Robert Marks
M.S. FT10
Dept. of Electrical Engineering
Univ. of Washington
Seattle, WA 98195

Dear Prof. Marks

As previously discussed in our telephone conversation (9/24/90), we are in the process of announcing the forthcoming meeting "Conference on Adaptive Materials and Adaptive Structures". This conference has across-the-board support from DoD agencies. This meeting has two main objectives. The first is to enable a healthy cross section of the core technologies that go into a "smart vehicle" (smart skins/smart structures) to be reviewed in one meeting so as to assist in cross-over technology and interaction. The second is to provide a venue where most of the key groups from industry, government agencies, and universities that are pursuing these technologies can interact. As part of this we hope to identify what are the technology problems and the future focus, what will be the drivers for the Air Force, DARPA, NASA, etc., and what these respective agencies funding plans will be.

Clearly the concerns of the IEEE Neural Networks Council are mainstream to the central focus of this meeting. I know that you are particularly concerned with the issues of this meeting. It would seem appropriate that the Neural Networks Council play a leading role in this conference and become a participating organization. Hopefully your committee would be a low level sponser and a high level organizer. Enclosed, for your reference, is a proposed copy of the call for papers. Your and the committee's assistance, suggestions, and support would be most appreciated.

Sincerely yours,

Gareth J. Knowles
General Chairperson
Conference on Adaptive Materials and Adaptive Structures

cc
Col. Bruce Holt

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Preliminary Announcement and Call for Papers

# CONFERENCE ON ADAPTIVE MATERIALS AND ADAPTIVE STRUCTURES

## OCT 16-18 1991
## CATHEDRAL HILL HOTEL
## SAN FRANCISCO

**General Chairperson**
GARETH J. KNOWLES
Grumman Corporation

This meeting focuses on civil, strategic and tactical applications of recent and ongoing developments in advanced materials, smart sensors and actuators, embedded avionics, distributed processing, data analysis and artificial intelligence. The goal of the meeting is to bring together those professionals concerned with interrelated technologies which are integral to the development of smart vehicles. This may include applications to underwater vehicles, aircraft systems, smart munitions and space platforms. Unclassified papers are solicited that address applications issues arising from technology integration and total systems approaches, as well as developments in critical supporting technologies. Special reference will be given to the issues of integration requirements (mission, operation and functional performance). Special consideration will be given to prototypes and demonstrators, hardware integration, health monitoring systems, mission adaptation, and active/passive structural vibration suppression.

***Sponsoring Agencies*** (Preliminary list) :

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
ARMY RESEARCH OFFICE
ASTRONAUTICS LABATORY, EDWARDS AFB
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
LAWRENCE LIVERMORE NATIONAL LABORATORIES
NASA LANGLEY RESEARCH CENTER
OFFICE OF NAVAL RESEARCH
ROME AIR DEVELOPMENT CENTER
SANDIA NATIONAL LABORATORIES
STRATEGIC DEFENSE INITIATIVE OFFICE
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WRIGHT-PATTERSON AFB

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Lockheed
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Rockwell

***Participating Organizations*** (Preliminary List):
ASME AIAA IEEE SPIE

***In co-operation with*** (Preliminary List):
SAMPE SIAM

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**MATERIALS**
- **Composite Structures**
  - -Hybrid Structures
  - -Laminates
  - - Damage and Failure Analysis
  - -Testing
  - -Thermoplastics
  - -Composite Wings
  - -Thermal/Vacuum Curing Effects
  - -Fractional Factorial Design
  - -Solid Fraction
- **Composite Materials with Active Constituents**
  - -Micromechanics of Embedding
  - -Shape Memory Alloys
  - -Embedded Piezoceramics Actuators
  - -Piezoelectric Sensors
  - - Structural Integrity with Embedded Sensors

**SENSORS**
- **Passive Sensors (Health Monitoring, Vibration, Cure Cycle)**
  - -Fiber Optic Strain Gauges
  - -Acoustic Waveguide Sensors
  - -Polymeric Sensors
  - -Fiber-Optic Accelerometers
  - -Semiconductor Strain Gauges
  - -Thermocouples
  - -Coatings and Protection
  - -Sensor Connections
- **Active Sensors (Cracking& Embrittlement, Delamination, Relative Motion)**
  - -Ultrasound
  - -Eddy Current
  - -Thermographic
  - -Holographic
  - -Laser Techniques & Sensors
  - -Coatings and Protection

**CONTROLLED STRUCTURES TECHNOLOGY**
- **Finite-Element Analysis and Design Optimization**
  - -Identification and Modelling
  - -Model Reduction
  - -Free and Forced Vibration
  - -Collocated and Noncollocated Sensors and Actuators
- **Passive Damping (Viscoelastic, Piezoceramic, Thermoelastic)**
  - -Viscoelastic and Piezoceramic Damped Struts
  - -Tuned Piezoceramic Vibration Absorbers
  - -Passive Mounts
  - -Joint Design
  - -Shape Memory Alloys
  - -Thermoelastic Damping
  - -Magnetic Isolators
- **Active Damping & Control**
  - -Adaptive Struts
  - -Piezoceramic Actuators
  - -Magnetic Bearings
  - -Shape Memory Alloys
  - -Active Mounts
  - -Feedback Design
- **Passive/Active Damping**
  - -Viscoelastic Damping Elements
  - -Piezoceramic Models
  - -Multiple Constraint Optimization Procedures (Frequency, Damping , Deflection, Strength)

**DATA ANALYSIS, NETWORK ARCHITECTURE & ARTIFICIAL INTELLIGENCE**
- **Signal Conditioning**
  - -Sensor/Data Fusion
  - -Multiple Sensor Tracking
  - -Multiplexing
  - -Archiving
- **Distributed Networks**
  - -Distributed and Embedded Processors
  - -Neural Networks
  - -Microcomponents
- **Processing and Distribution**
  - -Optical Processors
  - -Mission Analysis
  - -Control Reconfiguration
  - -Crew Associates
  - -Survivability

## STEERING COMMITTEE:

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SEATTLE, WASHINGTON 98195

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*Telephone: (206) 543–2150*
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November 1, 1990

Roy Nutter, Chair
IEEE Neural Networks Council Meetings Committee
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506

Dear Roy,

Enclosed is a copy of a contract for a short course to be given at an upcoming PICA Conference. The PICA Conferences are sponsored by the IEEE Power Engineering Society.

Due to the participation of Russ Eberhart and myself, the NNC has technical input. As specified in the budget, we also would like the NNC to have a financial interest. Please note that the NNC is asked to neither advance money to the short course, nor can the NNC loose any money. If there is a surplus from the short course, the money will be shared equally between the Baltimore section and the NNC. This, of course, is under the condition that the NNC is a Co-Sponsor.

By this letter, I request that the NNC be a Co-Sponsor of the short course in accordance to the attached budget. To avoid any conflict of interest, neither Dr. Eberhart nor myself will participate in the NNC's review of this proposal.

I propose the following review procedure. The Meetings Committee will first review the proposal. If the Meetings Committee approves of the proposal, it will be forwarded to the Ad Com in the January mail vote. If the Meetings Committee disapproves of the proposal, I hereby request you inform me without revealing any detail on how or why that decision was reached.

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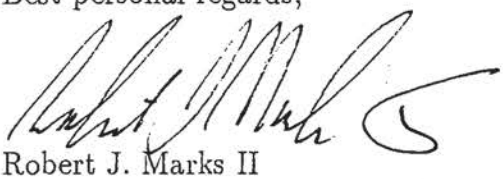
cc: NNC Ex Com

Russ Eberhart
Pat Sampson
Evangelia Tzanakou
Herb Rauch
Ed Posner
Robert Newcomb
Walter Karplus

M.A. El-Sharkawi

Best personal regards,



Robert J. Marks II
Professor



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# Contract for a Tutorial Preceding the 1991 PICA Conference

## 1 Title

*"Neural Networks and Their Application to Power Engineering"*
sponsored by the Baltimore Section/IEEE and (pending) the IEEE Neural Networks Council

## 2 Curriculum

This tutorial will present an overview of artificial neural networks and their proposed applications to power systems engineering.

The following will be distributed to the attendees:

1. Copies of all overheads, including bibliography.
2. Copies of the book chapter *Applications of Neural Networks to Power Systems* by El-Sharkawi & Marks and other selected reprints.
3. Floppy of Eberhart DOS software

## 3 The Instructors

The instructors for the course are

1. **Robert J. Marks II**, Professor of Electrical Engineering at the University of Washington, Seattle. Dr. Marks is the current President of the IEEE Neural Networks Council. Prof. Marks has published extensively in the field of neural networks and holds two patents in the area.
2. **Mohamed El-Sharkawi**, Professor of Electrical Engineering at the University of Washington, Seattle. Dr. El-Sharkawi organized special IEEE PES sessions on neural networks and is the Chair of the NSF Forum on Applications of Neural Networks to Power Engineering which will be held next summer in Seattle.
3. **Russell Eberhart**, Johns Hopkins University Applied Physics Laboratory, Baltimore, is the author a recently released book on emulation of neural networks on the PC. Dr. Eberhart is the current Vice-President of the IEEE Neural Networks Council.



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Robert J. Marks II & M.A. El-Sharkawi
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195
(206) 543-2150
FAX:(206)543-3842

Russell Eberhart
JHU Applied Physics Lab
Johns Hopkins Road
Laurel, MD 20707
(301) 953-5037
(301) 953-1093 (FAX)

## 4 Responsibilities of the Instructors

The Instructors refer specifically to Drs. Marks, Eberhart and El-Sharkawi. Prof. Marks will act as tutorial coordinator and spokesman for the Instructors.

1. Assemble, duplicate and ship bound sets of notes consisting of overheads, notes and papers accompanying the speakers' presentation.
2. Provide a copy of bound notes for each registrant in the tutorial. The quantity of notes prepared will be based on the number of participants pre-registered as of April 15, 1991 plus 15% allowance for registration the day of the tutorial. If the total attendance exceeds this quantity, the Instructors will send a set of notes to all of those who registered but did not receive notes at the tutorial.
3. Duplicate DOS neural net software on floppy disks for distribution to participants. The procedure and percentages will be the same as that for the class notes.

## 5 Responsibilities of the Baltimore Section/IEEE

1. Arrange all publicity and advertising for the tutorial. This will include announcements in the PICA advertisements, mailings and IEEE publications.
2. Establish a tuition price for the tutorial of not less than one hundred dollars per participant.
3. Make all of the facility arrangements for the tutorial; including hotel meeting room, overhead and slide projectors, screen, mechanical or electronic pointer, lunch and break arrangements, a PC with instructional size monitor that is compatible with the simulation software, etc.



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4. Conduct all administrative duties both before and during the tutorial, including registration, collection of tuition, controlling access to the meeting room, tallying the total number of registrants, etc.
5. Notify Instructors of the preliminary registration as of April 15, 1991 for duplication of the notes.
6. Provide a list of all registrants (names and addresses) along with a financial distribution by June 1, 1991.

## 6 Financial distribution

Proceeds from the tutorial will be distributed between the Baltimore Section, the Instructors and the IEEE Neural Networks Council. The Baltimore Section agrees to provide the following:

1 A $500 honorarium for each of the three instructors.

2 Conference lodging at the conference hotel the night before and the night after the conference for the three Instructors.

3 Reimbursement to Marks and El-Sharkawi for coach air fare to Baltimore and ground transportation to and from the conference.

4 Reimbursement of the the cost of duplication and binding the notes, the cost of the floppies and their duplication, and the cost of any shipping of these items to the conference.

In the event of a surplus, the Baltimore Section will first recover all of these costs. Any surplus thereinafter remaining will be divided equally between the Baltimore Section and the IEEE Neural Networks Council.

All requests for reimbursement from the Instructors will be made to the Baltimore Section by the Instructors accompanied by original receipts. Reimbursement will be at cost and in accordance with IEEE policy.

## 7 Milestone Dates

1 *Ongoing.* The Baltimore Section to work through IEEE channels to promote and advertise the tutorial.

2 *April 15, 1991.* Baltimore Section provides the Instructors with the preliminary number of registrants for the duplication of notes.



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3 *April 29, 1991.* Instructors ship notes to conference site. (The Baltimore section will provide the address).

4 *May 6, 1991.* Tutorial.

5 *May 31, 1991.* Baltimore Section provides the Instructors with a list of registrants and financial distributions.

Instructors Baltimore Section

Robert J. Marks II (Print Name)

Mohamed El-Sharkawi (Title)

Russell Eberhart



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Schedule

| Time | Topic or Activity | Instructor |
|---|---|---|
| 9:00 AM | Coffee | |
| 9:20 AM | **Introduction** | El-Sharkawi |
| | • Course Overview | |
| | • Introduction of Principals | |
| 9:40 AM | **History of Neural Networks** | Marks |
| | • The early days | |
| | ○ Biological motivation | |
| | ○ Hebb, McCullough & Pitts | |
| | ○ Rosenblatt, Widrow, Minsky & Papert | |
| | • Since 1982 | |
| | ○ Hopfield | |
| | ○ The layered perceptron | |
| | ○ ART | |
| | ○ Kohonen nets | |
| 10:35AM | Coffee | |
| 10:45AM | **The Layered Perceptron** | Marks |
| | • Rosenblatt's perceptrons | |
| | • Training | |
| | ○ Memorization vs. learning | |
| | ◇ Cross validation | |
| | ◇ Node creation and annihilation | |
| | ○ Supervised vs. unsupervised | |
| | ○ Learning algorithms | |
| | ◇ Back error propagation | |
| | ◇ Conjugate gradient descent | |
| | ◇ Random search | |
| | • Adaptive learning | |
| | • Problems with the layered perceptron | |
| | ○ Scaling | |
| | ○ Back propagation training time | |
| | ○ Potential answers | |



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| | | |
|---|---|---|
| 12 noon | **Software Emulator** | Eberhart |
| | • Description | |
| | • Demonstration | |
| 1:00PM | Lunch | |
| 2:30PM | **Applications to Problems in Power** | El-Sharkawi |
| | • Security Assessment | |
| | ○ Dynamic Security | |
| | ○ Static Security | |
| | • Electric Load Forecasting | |
| | ○ Forecasting | |
| | ○ Comparative Performanc | |
| | ◇ Back-Error Propagation | |
| | ◇ Adaptively Trained Neural Network | |
| | ◇ Recurrent Neural Network | |
| | ◇ Classification and Regression Trees (CART) | |
| | • Harmonic Analysis | |
| | • Comparative Performance | |
| | ○ Exhaustive Search | |
| | ○ Correlation & Regression Trees CART | |
| 4:20PM | Coffee | |
| 4:30PM | **Neural Network Implementation** | Eberhart |
| | • Analog Electronic | |
| | • Digital | |
| | • Optronic | |
| 5:00PM | **Prospectives for Neural Networks** | Principals |
| | • Open problems | |
| | • Open Questions Period | |



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# TAB 7
# Appointments

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

October 17, 1990

NNC ExCom
Russ Eberhart, Vice President
Evangelia Tzanakou, Secretary
Pat Simpson, Treasurer
Herb Rauch, Transactions Editor (1990)
Mike Roth, Transactions Editor (1991)

Dear Friends,

Please let me know if you have any suggestions for nominations to the attached. The committees by which I have placed a star are those that seem to be of significance to the NNC.

Please let me have your response by the end of the month.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks



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IEEE

UNITED STATES ACTIVITIES

Promoting Career and Technology Policy Interests of Electrical, Electronics & Computer Engineers

**United States Activities Board**

**Technology Policy Council**
Aerospace R&D Policy
Communications & Information Policy
Defense R&D Policy
Energy Policy
Engineering R&D Policy
Health Care Engineering Policy
Man & Radiation

**Government Activities Council**
Congressional Fellows
Washington Internship for Students of Engineering
*Legislative Report*
National Government Activities
State Government Activities
Technology Policy Conference
Technology Transfer
U.S. Competitiveness

**Member Activities Council**
Awards & Recognition
Communications
Continuing Engineering Education
Employment Assistance
*IMPACT*
Opinion Survey
Precollege Education
*Professional Perspective*
Salary Survey

**Professional Activities Council for Engineers (PACE)**
PACE Regional & Divisional Activities
PACE Information/Workshop
Student Professional Awareness

**Career Activities Council**
Anti-Discrimination
Career Maintenance & Development
Ethics
Intellectual Property
Licensure & Registration
Manpower
Pensions

**IEEE-USA Office**
(202) 785-0017

**"Information Line" Recording**
(202) 785-2180

**Facsimile**
(202) 785-0835

October 10, 1990

Prof. Robert J. Marks, II, President
Neural Networks Council
c/o Department of Electrical Engineering
University of Washington
MS FT-10
Seattle, Washington 98195

Dear Professor Marks:

On behalf of the IEEE-USA Technology Policy Council (TPC), I would like to invite you to nominate members--with the appropriate technical expertise and interest--to serve as active members on each of the Council's seven committees for 1991.

TPC, one of the five councils of the United States Activities Board, consists of seven committees with 31 subcommittees involving the active efforts of over 200 volunteers. Nearly all of our volunteers are members of TAB technical societies although relatively few are appointed by their societies to serve as delegates. The presence of society delegates on each of our committees is essential to ensure a US voice for your technical field and relevant areas of interest.

Our goal is to provide objective technical advice to US government policymakers, interpret new technologies and policies, and promote policies which enhance US competitiveness. The range of committee activities includes developing technology policy position papers, providing policy forums and workshops, testifying before Congress, commenting on agency regulations, and conducting press conferences. To develop timely and accurate technology policy positions, we fully depend on the expertise of the IEEE society members who serve on our committees.

Enclosed is a listing of the committees with a brief description of their missions and highlights of major activities. As you can see, these committees address a diversity of policy issues--R&D



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funding, electromagnetic field effects, US competitiveness, high resolution systems, global warming, and many others of concern to the IEEE's 250,000 US members.

I would be glad to provide you with any additional information--please call me at (703) 893-4971--or Deborah Rudolph or Chris Brantley in the Washington, DC office at (202) 785-0017.

Sincerely,

Arvid G. Larson

Arvid G. Larson, Ph.D.
Chairman
Technology Policy Council

Enc.

cc: Troy Nagle, Vice President, Technical Activities Board
Bill Tackaberry, Chairman, Technical Activities Board Liaison Council

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November 22, 1990

# IEEE Council on Neural Networks: AdCom Members

## OFFICERS (1990-91)

### President

Robert J. Marks II
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195
(206) 543-6990
marks@blake.acs.washington.edu
FAX:(206) 543-3842

### Vice President

Russell Eberhart
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rce1@aplvm.bitnet

### Secretary

Evangelia Tzanakou
Biomedical Engineering
Rutgers University
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(201) 932-2037
etzanako@elbereth.rutgers.edu
FAX:(201)932-5313

### Treasurer

Pat Simpson
*General Dynamics, Electronics Division*
17436 Ashburton Rd,
San Diego, CA 92128
(619) 573-2417 (W)
(619) 573-2266 (FAX)

## IEEE Transactions on Neural Networks

### *Editor-in Chief*

Michael W. Roth (1991)
*Johns Hopkins University*
Applied Physics Laboratory
Laurel, MD 20707
(301) 792-6543
mwr@aplcomm.jhuapl.edu
FAX: (301) 953-1093

### *Founding Editor*

Herbert E. Rauch
*Lockheed*
Dept. 92-20, Bldg. 254E
3251 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-2662

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## STANDING COMMITTEES (1990)

### Awards Committee

Bradley Dickinson, Chair
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
bradley@ivy.princeton.edu
(609)258 -4644
FAX: (609) 258-3745

### Constitution and Bylaws Committee

Evangelia Tzanakou, Chair
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, NJ 08854
(201) 932-2037
etzanako@elbereth.rutgers.edu
FAX:(201)932-5313

### Meetings Committee

Roy S. Nutter, Jr. Chair (1990-91)
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6371, ext 510
rsn@a.coe.wvu.wvnet.edu
FAX: (304) 293 5024

Walter Karplus (1991-92)
3732 Boelter Hall
UCLA
Los Angeles, California 90024
(213) 825-2929
FAX (213) 825-2273

### Publications Committee

Toshio Fukuda, Chair
Nagoya University
Laboratory
Department of Mechanical Engineering
Engineering, FT-10
Furo-Cho, Chikusa-Ku
Nagoya, Japan
(052) 781-5111, Ex. 4478, 3301
FAX: (052) 781-9243
d43131a@nucc.nagoya-u.ac.jp

### Nominating Committee

Robert J. Marks II, Chair
Interactive Systems Design

Department of Electrical

University of Washington
Seattle, WA 98195
(206) 543-6990
marks@blake.acs.washington.edu
FAX:(206) 543-3842

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## IEEE Society Members

### Circuits and Systems

Anthony N. Michel (1990)
Dean, College of Engineering
Dept. of Electrical Engineering
University of Notre Dame
Notre Dame, IN 46556
(219) 239-5534

Robert W. Newcomb (1990-91)
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD
FAX (301) 454-1837
301-454-6869 (O)
301-454-8830 (Lab)

### Communications

Stamatios Kartalopoulos (1990-91)
AT&T Bell Laboratories
1 Whippany Rd.
Whippany, New Jersey 07981
(201) 386-4289
FAX: (201) 386-6346.

Kesh Bakhru (1991-92)
Cubic Corporation
9333 Balboa Avenue
San Diego, CA 92123
(619) 277-6780, ext. 2648

### Control Systems

Herbert E. Rauch (1990)
Lockheed
Dept. 92-20, Bldg. 254E
3215 Hanover Street
Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-3115

Bradley Dickinson (1990-91)
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
bradley@ivy.princeton.edu
(609) 258-4644
FAX: (609) 258-3745

### Engineering in Medicine and Biology

Shiro Usui (1990-91)
Physiological Engineering Lab
Information and Computer Sciences
Toyohashi University of Technology
usui%tut.ac.jp@relay.cs.net
Hibarigaoka Tenpaku
Toyohashi, Japan 441
+81 532 47 0111
FAX +81 532 46 7806

Charles J. Robinson (1991-92)
Rehabilitation R&D Center
Hines VA Hospital
P.O. Box 20
Hines, IL 60141
(312) 343-7200 Ext. 2240

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# 1990 TECHNOLOGY POLICY COUNCIL

Arvid Larson, Chairman
Joseph Bronzino, Vice Chairman

## ENERGY POLICY COMMITTEE (36 members)

Charles Claar, Chairman
James Fancher, Vice Chairman

MISSION: To develop positions on energy issues and provide a vehicle for presenting technical information and the policy views of the IEEE-USA on energy issues to the executive and legislative branches and the public.

RECENT ACTIVITIES:

- Testimony on energy R&D priorities in the FY91 DOE budget request.
- Review and contribute to the development of the National Energy Strategy.
- Develop position statements, information papers, and workshops to identify energy options to address environmental concerns.

## COMMITTEE ON COMMUNICATIONS & INFORMATION POLICY (58 members)

Robert Powers, Chairman
Claud Davis, Vice Chairman

MISSION: To assist in the rational formulation of communications, computer and information technology legislation, regulation and policy in the US.

RECENT ACTIVITIES:

- Promote establishment of national high-resolution systems architectures.
- Testimony in support of high-performance computing legislation, reallocation of spectrum for non-governmental uses, and HDTV.

## HEALTH CARE ENGINEERING POLICY (23 members)

Dov Jaron, Chairman
Lloyd Marks, Vice Chairman

MISSION: Assist in the rational formulation of health care legislation, regulation and policy through the provision of sound technical and professional counsel.

RECENT ACTIVITIES:

- Develop policy statement on use of animals in experimentation.
- Develop policy statement on legislation of medical devices.

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COMMITTEE ON MAN & RADIATION (34 Members)

James Lin, Chairman
John Osepchuk, Vice Chairman

MISSION: To assess and disseminate information on the biological effects of nonionizing radiation to Congress and the general public through testimony, statements, reports, public presentations, and news releases.

RECENT ACTIVITIES:

- Testimony before Congress on the biological effects of power-frequency electric and magnetic fields and research needs.
- Development of position statements on human exposure to microwaves and electromagnetic fields from video display terminals.

AEROSPACE R&D POLICY (26 members)

George C. Sponsler, Chairman
Travis Walton, Vice Chairman

MISSION: To present the views of the IEEE-USA to the public, Congress and the Executive branch on aerospace R&D policy; and prepare and present positions on any aspect of governmental or private sector aerospace R&D policy and programs within its technical and professional competence.

RECENT ACTIVITIES:

- Testimony before Congress on national space policy and R&D in the NASA FY91 budget request.
- Promote successful test and demonstration of the Advanced Communications Technology Satellite (ACTS).
- Assess the Space Exploration Initiative.

☆ ENGINEERING R&D POLICY (26 members)

Lt. Col. Mark Pullen, Chairman
Frank Pittman, Vice Chairman

MISSION: To develop and disseminate positions on engineering R&D policies and programs concentrating on the programs and policies of the National Science Foundation, the Department of Commerce's Technology Administration (including the National Institute of Standards and Technology), and the Office of Science and Technology Policy.

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ENGINEERING R&D POLICY (continued)

RECENT ACTIVITIES:

- Testimony before Congress on FY91 R&D budgets and priorities for the National Science Foundation and National Institute of Standards and Technology.
- Testimony before Congress and discussion with Federal decisionmakers on legislation to enhance the Federal role in promoting US competitiveness.
- Develop position statement on the importance of engineering R&D in pro-promoting US competitiveness which outlines recommendations for Federal role.
- Workshop on government policy-making and U.S. technological competitiveness.

DEFENSE R&D POLICY (25 members)

Paul Hazan, Chairman
Harold Flescher, Vice Chairman

MISSION: To develop and disseminate positions on defense research and development policies and programs within the scope of, or affecting, IEEE's technical expertise.

RECENT ACTIVITIES:

- Testimony before Congress supporting the development of dual-use technologies.
- Workshop on U.S. technological leadership and strategies for the 1990s.

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# TAB 8

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**IEEE TECHNICAL ACTIVITIES**
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900 TELEX 833-233 FAX (201) 562-1571

(201) 562-

TO: Technical Advisory Board

FROM: T. W. Hissey TWH
Chair of the TAB Strategic Planning and Review Committee

DATE: November 20, 1990

SUBJECT: TAB 1991 Strategic Goals

As decided in the November 16, 1990 meeting, the proposed goals of the 1991 Strategic Plan have been accepted by TAB. I have enclosed these 30 goals, and as moved by the body, am requesting that you rank your top 20 goals from this subgroup.

Please fax or mail the enclosed completed ballot by December 5 to:

Rita R. Millner
TAB Secretariat
IEEE
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

fax: (908) 562-1571

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# BALLOT - RETURN BY 12/5/90

FAX (201)-562-1571

TO: Rita R. Millner, TAB Secretariat

FROM: R.J. Marks II

COMMITTEE/COUNCIL AFFILIATION Neural Networks Council President

SUBJ: TAB 1991 Strategic Goals Ballot

| PRIORITY | GOAL NO. (FROM '91 PLAN) | PRIORITY | GOAL NO. (FROM '91 PLAN) |
|---|---|---|---|
| 1 | 9 | 11 | — |
| 2 | 13B | 12 | — |
| 3 | 12 | 13 | — |
| 4 | 16 | 14 | — |
| 5 | 17 | 15 | — |
| 6 | 27A | 16 | — |
| 7 | — | 17 | — |
| 8 | — | 18 | — |
| 9 | — | 19 | — |
| 10 | — | 20 | — |

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# TECHNICAL ACTIVITIES BOARD - TAB

## 1991 PRIORITIZED GOALS

1. Charge the Staff Activities Committee to perform a review of all charges to Societies for services by IEEE. Provide TAB a summary report with a five-year history of these charges.

2. Working with RAB, develop ways to solve the issues and concerns discovered during SC'90 and the Colloquium '90. Send a status report to the Region 9 Sections in February and November, 1991.

3. Charge the TAB PR Committee and the Transnational Committee to develop a new PR package (slides/foils/script) for presentation to students, government ministries, and industries describing the benefits of membership in IEEE and its Technical Societies. The package should be of the same quality as the Director's slides, but placing greater emphasis on TAB and the technical activities of the Societies. The package should answer the questions: What does the individual company, and/or government get in return for investing his/her/its resources in IEEE memberships? Make a special slide package showing previous, current and future IEEE activities in Europe for use at the Colloquium '91.

4. Charge the TAB Periodicals Council with monitoring the conversion of S/C Transactions to electronic publishing. Give progress reports to TAB at each of its meetings until the conversions are complete.

5. Charge the TAB Publications Products Council with a goal of developing a business plan for new TAB abstracting and indexing products. Progress report due at each TAB meeting. The implementation of new products should begin in 1992.

6. Develop a five-year financial plan for TAB and all IEEE Technical Societies. Encourage the Board of Directors to develop a similar plan for all the other IEEE entities.

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7. Conduct a TAB Long Range Planning Conference to define TAB's role in the globalized technological environment of the 1990's and beyond.

8. Charge New Technology Development Committee to develop an outline for, - obtain TAB approval for and execute a New Technologies Forum - designed for IEEE and non-IEEE participants (to insure all appropriate technologies are being encompassed by IEEE).

   Plan of action - 3Q'91.
   Forum/Workshop - At latest 4Q'92

9. Charge the Publications Council to establish, and implement, an improved system for measuring the quality and "on-time" performance of Society/Council periodicals.

10. Charge the Staff Activities Committee to develop a generic staff performance feedback mechanism. Include performance metrics for all IEEE headquarters and Society staff service functions. Where possible, include mechanisms to automatically collect data for generating the performance measures into a Metrics Database. Work with the General Manager and Staff Director for Technical Activities to develop an implementation plan for the proposed system.

11. Charge the Technical Meetings Council to insure that TAG is executed electronically.

12. Charge the Computational Facilities Committee to develop a ten-year management information systems plan for TAB and Technical Societies. Encourage the Board of Directors to develop a similar plan for the Institute.

13A. Charge the TAB Long Range Planning Committee to complete the draft of the TAB Long Range Plan and submit it by end of 4Q'91.

13B Charge the Technical Meetings Council to execute necessary procedures to allow authors to submit material electronically.

14. Charge the Liaison Council to provide recommendations for strengthening liaison relationships - internal and external to IEEE.

15. Charge New Technology Development Committee to determine optimum topics for future TAB workshops. On New Technologies

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with which NTDC should handle; schedule and execute workshop - prior to end of June, 1991.

16. Develop a plan for opening a IEEE office in Region 10 in 1992.

17. Charge the Technical Meetings Council to study the requirements; define a plan; and, implement a plan for Centralized Conferences Management.

18. Charge the Periodicals Council to assess and report on the usefulness and economic viability of a computer - based support package for Society/Council Editors.

19. Create an IEEE local speakers database. Start with all authors in IEEE publications, IEEE Fellows, and IEEE medal winners. List their technical interests and abstracts of topics that they might be willing to give at local IEEE meetings; get this data from a survey. Publicize the program by printing a booklet by Region. Also distribute the database to Societies and Sections by including it on the member records diskette.

20. Charge the Periodicals Council to monitor the relocation of Newsletter publication from New York City to Piscataway.

21. Charge the RAB/TAB Chapters Committee with developing a catalog containing all Society Distinguished Visitor Programs. Distribute this Catalog to all IEEE Sections & Chapters.

22. Charge the Periodicals Council to study and make recommendations to TAB and PUB for:

-Program to attract more application oriented articles for publication in periodicals.

-Measures to "speed-up" turn-around of articles and papers submitted for publication.

-Methods to stimulate the "start-up" of new periodicals in response to market demand.

-"Fast-Track" procedures for the "start-up" of new periodicals.

23A. Charge the TAB Periodicals Council with implementing an

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with which NTDC should handle; schedule and execute workshop - prior to end of June, 1991.

16. Develop a plan for opening a IEEE office in Region 10 in 1992.

17. Charge the Technical Meetings Council to study the requirements; define a plan; and, implement a plan for Centralized Conferences Management.

18. Charge the Periodicals Council to assess and report on the usefulness and economic viability of a computer - based support package for Society/Council Editors.

19. Create an IEEE local speakers database. Start with all authors in IEEE publications, IEEE Fellows, and IEEE medal winners. List their technical interests and abstracts of topics that they might be willing to give at local IEEE meetings; get this data from a survey. Publicize the program by printing a booklet by Region. Also distribute the database to Societies and Sections by including it on the member records diskette.

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Applications Journal Series in 1992. This Series would publish conference-style papers and would be reviewed only by the editorial committee.

23B. Charge the Strategic Planning & Review Committee to develop a generic volunteer performance feedback mechanism. Include performance metrics for all TAB Councils and Committees. Where possible, include mechanisms to automatically collect data for generating the performance measures into a Metrics Database. Work with the TAB Administration Council to develop an implementation plan for the proposed system.

23C. Charge the TAB Technical Meetings Council to develop a database of IEEE conference attendees (both members and non-members) to include their technical interests. Establish a mailing label service within TAB to provide focused mailing lists from this database. Currently each conference committee maintains its own mailing label database. Individual conferences also use the IEEE Technical Interest Profile (in the general membership database). There is a need for an intermediate level database that collects and extends the individual conference databases. The only way to accomplish this important function is to implement it at the TAB level.

24. Charge the RAB/TAB Chapters Committee to formalize suggestions for, and to assist in the planning and implementation of, regional chapters workshops held in conjunction with TAB Colloquia.

25. Charge the Periodicals Council to prepare a manual for Transactions/Journal Editors.

26. Charge the Chapters Committee with developing a RAB/TAB Chapters Newsletter. Publish it often enough to make it a publicity mechanism of choice for IEEE technical meetings. Ask Societies to support it by paying a "page charge" to include their Call for Papers and Announcements. Coordinate this publication with the delivery of TAB to minimize distribution costs.

27A. Charge the Society Review Committee to complete any unfinished activities with respect to the review of the Division X Societies/Councils Report by first TAB meeting of 1991.

27B. Assist the New Ventures Committee in holding a workshop on the future of electronic publishing in IEEE. Team with the Standards

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Board in establishing new working groups to develop standards in this area. Team with Asian, American and European industry to develop an electronic workstation for IEEE member interface to a global IEEE publishing electronic network.

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# TAB 9

# NNC AdCom Members

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November 22, 1990

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November 22, 1990

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12-12-90

Dear NNC AdCom Members

There will be an AdCom Meeting of the IEEE Neural Networks Council on Saturday, January 26, 1991 at

The Sheraton Inner Harbor Hotel
300 S. Charles St.
Baltimore, MD 21201
(301) 962 8300

The Standing Committees of the Council will meet during the morning. The AdCom will meet in the afternoon and evening. A more complete agenda and schedule will be provided in a mailing before the meeting.

Please fill out the form below and mail or FAX to

Nomi Feldman
5665 Oberlin Dr.
Suite 110
San Diego, CA 92121
619 453 6222
fax 619 535 3880

name _____

_____ I will be attending the NNC AdCom meeting.

_____ I will NOT be attending the NNC AdCom meeting.

Room reservations may be made directly with the hotel. Please mention '*IEEE AdCom*' when making the reservations to receive a special rate. The special rate applies only to reservations made before January 4, 1991.

The NNC has authorized travel support for AdCom members who cannot support their travel by other means and would otherwise not be able to attend the AdCom meetings. Reimbursement will be



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consistent with IEEE Policy. Approval for travel support has been delegated to the discretion of the President. Requests must be made in writing prior to the meeting.

Teleconference participation in the AdCom meeting is an option. Please contact me for further information.

Tentative Schedule:

| | |
|---|---|
| 9:00 AM | Breakfast (Fruit, Danish & Coffee) |
| 9:30 AM | Standing & *ad hoc* Meeting Committees* |
| | ♦ Awards (Dickinson) |
| | ♦ Meetings (Nutter) |
| | # Fuzzy Steering Committee (Simpson) |
| | ♦ Standards (Tzanakou) |
| | ♦ Publications (Fukuda) |
| | # Newsletter Subcommittee (Roth) |
| | ♦ Student Participation (Simpson) |
| 12:30 PM | Buffet Lunch |
| 2:30 PM | AdCom |
| 5:30 PM | Dinner |
| 6:45 PM | AdCom (if required) |

Any material you wish to include in the pre-meeting booklet mailing, including reports or motions, should be in my hands by January 17.

I look forward to seeing you in Baltimore.

Sincerely,

Robert J. Marks II, President
IEEE Neural Networks Council

cc: Nomi Feldman, Meeting Management
Teck Seng Low, Chair, IJCNN '91 Singapore IJCNN
Clifford Lau, Chair, IJCNN '92 Baltimore IJCNN
Walter Karplus, Meetings Committee
Karen Haines, ISSNNet
Irv Engelson, TAB
H. Vincent Poor, Division X Director
Bernie Widrow, IOC Chair

* The meetings are open to all AdCom members. Some meetings will be scheduled sequentially to allow for greater participation. Not all Committees may meet.

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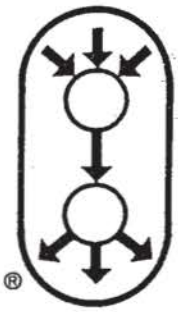
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.



# *IEEE Neural Networks Council*

♦ Ad Com ♦

♦ Standing Committee Meetings ♦

♦ IJCNN Oversight Committee ♦

Jan. 26, 1991

*The Sheraton Inner Harbor Hotel*
*300 S. Charles St.*
*Baltimore, MD 21201*
*(301) 962 8300*
*January 25-26, 1991*

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IEEE

COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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1-16-91

Dear NNC AdCom Members,

Greetings!

In this book is the material related to many items to be discussed at our January 26, 1991 meeting.

The volume of the material herein reflects the diverse and dynamic activities of our Council. Besides continuation of our successful IJCNN conference series and the most widely circulated archival publication on neural networks in the world, we will be discussing new exciting initiatives, including the establishment of a Council newsletter, a conference series devoted to fuzzy systems and a permanent Standards Committee.

I look forward to seeing you in Baltimore.

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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# *IEEE Neural Networks Council*

The Sheraton Inner Harbor Hotel
300 S. Charles St.
Baltimore, MD 21201
(301) 962 8300

**Schedule:**

| | |
|---|---|
| Friday, January 25th, 1991 @ 6:00PM | IJCNN Oversight Comm |
| Saturday, January 26th, 1991 | |
| 9:00 AM | Continental Breakfast |
| 9:30 AM | Meetings Committee<br>♦ Roy Nutter, Chair |
| 11:30 AM | Publications Committee*<br>♦ Toshio Fukuda, Chair |
| 11:30 AM | Awards Committee*<br>♦ Brad Dickinson, Chair |
| 12:30 PM | Lunch** |
| 2:00 PM | IEEE NNC AdCom |
| 5:30 PM | Dinner |
| 7:00 PM | IEEE NNC AdCom (cont)# |

- ♦ Room locations will be posted.
- ♦ All AdCom members are welcome at Standing Meetings.
- ♦ All meals on Saturday will be provided by the Council.

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* Tentative.
** Russ Eberhart will give a special presentation on neural networks and China.
# If required.

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**Proposed Agenda**

## *IEEE Council on Neural Networks AdCom Meeting*

*2:00 P.M., Saturday, January 26, 1991*
The Sheraton Inner Harbor Hotel ♦ 300 S. Charles St.
Baltimore, MD 21201 ♦ (301) 962 8300

♦ Approval of Agenda

♦ Approval of Minutes ⇒TAB 1⇒

♦ Consent Agenda ⇒TAB 2⇒
1. Transactions Editor
2. Nominating Committee Chair

♦ Officer and Committee Reports

• Officer Reports

| | | |
|---|---|---|
| ° President's Report | (Marks) | ⇒TAB 3⇒ |
| ° Vice-President's Report | (Eberhart) | ⇒TAB 4⇒ |
| ° Treasurer's Report | (Simpson) | ⇒TAB 5⇒ |
| ° Secretary's Report | (Tzanakou) | |
| ° Editor's Report | (Roth) | ⇒TAB 6⇒ |

TAB Colloquia

• Committee Reports

| | | |
|---|---|---|
| ° Meetings Committee | (Nutter) | |
| * *International Fuzzy Conference* | (Simpson) | ⇒TAB 7⇒ |
| * *IJCNN Autumn '93 - Japan* | (Fukuda) | |
| * *IJCNN Summer '92 - Baltimore* | (Lau) | |
| * *IJCNN Singapore '91* | (Eberhart) | |
| * *IJCNN Seattle '91 Status* | (Humphreys) | ⇒TAB 8⇒ |
| * *IJCNN Seattle '91 Budget* | (Simpson) | ⇒TAB 9⇒ |
| * *IJCNN San Diego '90 Audit* | (Karplus) | ⇒TAB 10⇒ |
| * *Conf. on Adaptive Materials & Structures* | (Nutter) | ⇒TAB 11⇒ |
| * *Auburn Workshop on Neural Networks* | (Nutter) | |

Dr. Kartalopolous

| | | |
|---|---|---|
| ° IJCNN Oversight Committee | (Nutter) | |
| * *IJCNN Autumn '92 - Beijing* | (Eberhart) | |
| * *IJCNN Summer '93 - Portland* | (Nutter) | |
| * *IJCNN Autumn '95 - Australia* | (Marks) | ⇒TAB 12⇒ |
| * *IEEE NNC / INNS Agreement Status* | (Marks) | ⇒TAB 13⇒ |
| ° Publications Committee | (Fukuda) | |
| * *Ad Hoc Newsletter Committee* | (Roth) | ⇒TAB 14⇒ |
| ° Ad Hoc Student Support Committee | (Haines) | |
| ° Ad Hoc Standards Committee | (Tzanakou) | |

Continued...

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*Proposed Agenda (continued)*

- Old Business

- New Business
  - Standards Committee (Marks) ⇒TAB 15⇒

- ADJOURN

- APPENDICES

  - NNC Meetings Committee Minutes* ⇒TAB 16⇒
  - NNC ExCom Minutes* ⇒TAB 17⇒
  - IEEE NNC / INNS IJCNN Agreement ⇒TAB 18⇒
  - NNC Constitution & Bylaws ⇒TAB 19⇒
  - NNC AdCom Members ⇒TAB 20⇒

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* Draft

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# TAB 1

# AdCom Minutes

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IEEE COUNCIL ON NEURAL NETWORKS

ADCOM MEETING

JUNE 19, 1990

The meeting was called to order at 18:35 pm. Robert Marks III presiding.

Introduction of members took place and proxies were presented (for G. Cook by R. Nutter.)

A motion to accept the consent agenda addenda was put through and was passed.

The attendance was as follows:

Voting Members - R. Newcomb, R. Trueblood, T. Fukuda, R.Eberhart W. T. Miller, W. E. Snyder, H. Rauch, R. Nutter, B.Dickinson, D. Brown, S. Kartalopoulos, P.K.Simpson, C.J. Robinson, T. Cathey (For K. Johnson), N.DeClaris, K. Bakhru, S. Usui, J.W.Goodman, R. Marks, E. Tzanakou

Non Voting - W. J. Karplus, T.-S. Low, A. Friend, M.W. Roth A. Ephremides.

H. Rauch was given the floor for nominations and election of the officers for 1991. Elected were R. Marks, President, R. Eberhart, Vice President, E.Tzanakou, Secretary, and P. Simpson, Treasurer.

Approval of the minutes of the January meeting took place with changes as follows:

Page 1. Robert Marks is the President of the IEEE Concil on Neural Networks, Russ Eberhart is the Vice President, Maureen Caudell should be Maureen Caudill, A.W.Friend is not an observer. The abreviation N.C. for N.



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Declaris should be changed to N.D.

Page 2. Tsanakou should be Tzanakou.

ex officio is deleted and secretary of the IEEE Council on Neural Networks should be added.

In the last line IEEEE should be IEEE.

Page 4. A list of the meetings with dates should have been attached.

N.DeClaris wanted to be noted that he did not receive a copy of the minutes.

Tab 3 in the green book was discussed next. B. Newcomb wants item 1 to be moved to new business for discussion. N.DeClaris wants items 3,4, and 5 to be moved to new business for discussion. Item 5 went under old business.

R. Marks welcomed the new members to the Council as part of the President's report (tab 4).

R. Eberhart reported on an audit taking place on the 1989 conference the results of which will come in a final report shortly.

P. Simpson reported that the present conference is not as successful as others in the past. The council will receive about $30,000 from the previous conference.

He requested that requests for travel expense reimbursements should be sent directly to him. R. Marks will tell him who is eligible.

H. Rauch in the editor's report, said that there will be a special issue next year on Hardware with call for papers to be announced soon. Five papers will be solicited from the



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conference. Three new associate editors were suggested. He projeted a $3,000 surplus for 1990 and a $9,000 surplus for 1991.

R. Nutter reported conflicts of interests on tutorials. He talked about continuity of standard fees and the Press.

J. Karplus reported on the current meeting and he is optimistic to show some profit from the conference. He mentioned that no major conflicts or crises were encountered but the tutorials were a big disappointment with less than half registration of what was expected. N. DeClaris commented on the appointments of J. Goodman and J. Karplus and complemented them and thanked them in person.

T.-S. Low then talked about the Singapore meeting and gave explanations on the high budget and the high registration fee.

E. Eberhart gave a report on the IJCNN 92 meeting to be held in the Baltimore-Washington area. Dr. Lau has been approached and has accepted to be the general chair of the meeting.

Since the INNS 1992 meeting in Belgium has been cancelled, it is possible that the only meeting in 1992 is the one in Baltimore in June or Washington in July.

T. Fukuda gave a general overview of the 1992 meeting in Nagoya. Expectations are for about 3,000 people.

Items 3, 4 and 5 from the Consent Addenda Agenda are now up for discussion.

A motion was put up that these items are up for discussion only as far as it concerns the General Chairs.

N.DeClaris commended that Council members cannot be officers in a meeting. R. Eberhart clarified that holds only for members of the IOC.



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The motion was ammended to strike everything after the first period. Thus, Item 3 reads now: Dr. Low is the General Chair of the Sinagpore IJCNN in November 1991. Items 4: Dr. Clifford Lau is the General Chair for the Baltimore/Washington D.C. IJCNN in Summer 1992. Items 5: Dr. Toshio Fukuda is endorsed as the General Chair for the Najoya, Japan IJCNN in October of 1993.

C. Robinson asked about the feelings of the Japanese people. At this point Dr. Amari commended on the goodness of having an International Communication. There are a lot of IEEE members in Japan and there already exists a Japanese Neural Network Society that is prepared to hold an IJCNN in Japan in 1993. He believes that the activity should be co-sponsored by more than one society and he pointed out that the Japanese Neural Network Society is very strong. The IEEE and the INNS are right to nominate the general chair for the conference but since four societies are co-sponsoring the event, the general chair should be negotiated. He also suggested that two co-chairs should be suggested. There was some discussion on this and item 5 of the Consent Agenda Addenda was amended to read "Dr. T. Fukuda is endorsed as the General Chair for the Nagoya, Japan IJCNN in October 1993".

A motion to approve items 3, 4 and 5 as amended was passed and these items were approved.

R. Nutter reported on forms and the procedures to be adopted.

B. Dickinson spoke about the awards. He mentioned that meritorious papers should be nominated. He talked about the founder's medal and the IEEE fellow nominations.



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H. Rauch said that a Council Award should be given to an IEEE Trans. on Neural Networks paper. This was endorsed by N. DeClaris, P. Simpson asked if something like that can also be done for a proceedings paper.

H. Rauch made a recommendation against the establishment of a newletter. W. Snyder disagreed. He showed a newsletter by the Robotics and Automation Society and he mentioned that an important function is served by a newsletter. P. Simpson mentioned that the newsletter can have advertisement but the Transactions cannot.

E. Tzanakou then reported on the Ad Hoc Standards Committee's action. The first meeting was held that afternoon and some guidelines were set as to how to proceed. B. Newcomb expressed a concern about the standards. C. Robinson said that the standards of the IEEE should be followed and that an International Participation should be encouraged.

T. Ephremides talked about the volunteer's structure. The following motion was made "The council endorses the computer society position on the Volunteer Restructing". C. Robinson recommended that the Council endorses the Comp. Soc. position.

The motion was passed unanimously. R. Marks will communicate the results to the president of IEEE and all society presidents.

The discussion was turned to the IEEE/INNS agreement.

R. Eberhart moved that the Council approve the agreement between the IEEE Council on Neural Networks and the International Neural Network Society dated June 19, 1990.

R. Nutter discussed the changes on the agreement. Items 6



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and 9 were changed as reflected in the attached document. Motion passed.

R. Nutter moved that "The meetings committee recommends that the association between the IEEE council on NN and INNS be dissolved unless an IOC agreement is approved by both parties by July 18, 1990.

The motion was discussed and amended to reflect an extension of the deadline to Nov. 1.

Amendment carries.

Motion carries.

Next motion was on the approval of the budget of the IJCNN-91 Seattle preliminary budget to be approved for 1775 attendees, subject to IEEE Headquarters appoval.

A motion to table the discussion and discuss it by e-mail was defeated.

Another motion by R. Eberhart "I move that the INNS be urged to establish a fee structure for the 1991 Seattle IJCNN that contains registration and tutorial fees no higher than 10% over the fee structure of the 1990 San Diego IJCNN" was dicussed. Two friendly amendments were made to the motion: that that happens by November 1, and that furthermore it is requested that the attendance estimate is reduced to 1200 or 1500".

Motion carried.

The Burke item (tab 4) was discussed next. W. Karplus moved that "IEEE Council on NN direct B. Marks to Settle the Burke matter in a way that avoids adversary confrontation with a maximum limit of $3,750. Motion carries.



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The discussion was moved back to tab 3, item 1 on which information was requested on what the colloquium is all about. B. Newcomb recommended that some procedures should be developed as to what criteria should be followed about who is selected. Motion carries.

A motion by P. Simpson "I move that we recommend that IEEE HQ fully pursue and refer to the Technical Activities Board any alleged irregularities in any IEEE Neural Networks Council sponsored conferences." Seconded by R. Eberhart.

Robinson moved further discussion be held in Executive Session. It was. After Executive Session, the meeting returned to open form.

The motion of Tab 9 in the green book was then discussed and voted upon. Passed motion to discuss. Tab 10 was defeated.

Motion to direct the president to form an ad hoc committee to discuss the matter was passed and the committee was formed on the spot with D. Brown (Chair), J. Tien and C. Robinson.

In new business, N.DeClaris requested information about the procedures of the officers' nominations. C. Robinson recommended



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that the President asks the Nominating Committee to develop procedures for elections and nominations of officers.

Motion to adjourn the meeting passed unanimously.

R. Marks said that the next meeting ~~will be in~~ is tentatively Seattle IJCNN.

Meeting adjourned at 12:20 am.



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# TAB 2

# Consent Agenda

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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marks@blake.acs.washington.edu

1-16-91

Dear NNC AdCom Members:

The Constitution of the Council requires that appointments of President be with the advise and consent of the Council AdCom.

With the unanamous endorsement of the ExCom, I have appointed Dr. Michael W. Roth as the Editor-in-Chief of the *IEEE Transactions on Neural Networks* for 1991.

Motion: The NNC AdCom hereby approves appointment of Dr. Michael W. Roth as the Editor-in-Chief of the *IEEE Transactions on Neural Networks* for 1991.

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

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Fax: (206) 543-3840
marks@blake.acs.washington.edu

1-16-91

Dear NNC AdCom Members:

Background: The Constitution of the Council Requires that the Nominations Committee be Chaired by the Past President and specifically prohibits the current President from serving. Our Council does not have a Past President.

Dr. Poor, current Division X director for IEEE and Past President of the Information Theory Society, has agreed to be the Chair for the Nominations Committee for the calendar year 1991.

I have appointed him thus and hereby request the consent of the Council on this appointment.

H. Vincent Poor
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Princeton, NJ 08544
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poor@ivy.princeton.edu

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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# TAB 3

# President's Report

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IEEE

**UNITED STATES ACTIVITIES**

Promoting Career and Technology Policy Interests of Electrical, Electronics & Computer Engineers

**United States Activities Board**

**Technology Policy Council**
Aerospace R&D Policy
Communications & Information Policy
Defense R&D Policy
Energy Policy
Engineering R&D Policy
Health Care Engineering Policy
Man & Radiation

**Government Activities Council**
Congressional Fellows
Washington Internship for Students of Engineering
*Legislative Report*
National Government Activities
State Government Activities
Technology Policy Conference
Technology Transfer
U.S. Competitiveness

**Member Activities Council**
Awards & Recognition
Communications
Continuing Engineering Education
...yment Assistance
...OT
Opinion Survey
Precollege Education
*Professional Perspective*
Salary Survey

**Professional Activities Council for Engineers (PACE)**
PACE Regional & Divisional Activities
PACE Information/Workshop
Student Professional Awareness

**Career Activities Council**
Anti-Discrimination
Career Maintenance & Development
Ethics
Intellectual Property
Licensure & Registration
Manpower
Pensions

January 10, 1991

Dr. J. Patrick Reilly
The John Hopkins University
Applied Physics Laboratory
John Hopkins Road
Laurel, Maryland 20723

Dear Dr. Reilly:

On behalf of Chairman James Lin, I am pleased to acknowledge your appointment as a delegate of the IEEE Council on Neural Networks to the IEEE-USA Committee on Man and Radiation for 1991.

Enclosed are copies of the following materials for your information:

- o 1991 COMAR Roster
- o COMAR Charter

The committee has not scheduled its meeting dates for 1991 as of yet. However, I expect that two meetings will be scheduled in June and November. You will receive advance notice of all meetings, along with meeting agendas, minutes, and supplemental mailings.

I look forward to your active participation as a member of COMAR. If you have any questions, or if I can provide additional information, please contact me at (202) 785-0017 or by fax at (202) 785-0835.

Sincerely,

Chris J. Brantley
Administrator,
Professonal Programs

cc: L. Fanning
J. Lin

**IEEE-USA Office**
(202) 785-0017

**"Information Line" Recording**
(202) 785-2180

**Facsimile**
(202) 785-0835



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# TAB 4

# Vice-President's Report

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December 14, 1990

To: IEEE Neural Networks Council AdCom

From: Russ Eberhart

Subject: Meetings in The Peoples Republic of China

As a result of an invitation from the Chinese Institute of Electronics, I attended the First Chinese National Conference on Neural Networks, held in Beijing, China, December 9-14, 1990. The invitation came from Professor Zong Sha, Deputy Secretary General of the Chinese Institute of Electronics and Secretary General of the IEEE Beijing Section.

I was to arrive in Beijing on Sunday evening, December 9, 1990, but our flight from Tokyo was diverted due to bad weather, and we spent the night in Dalian, China, before going on to Beijing on the morning of December 10.

I attended conference sessions and participated in several meetings with representatives of the IEEE in China. I was also privileged to make a keynote presentation at the conference, and to be given a tour of the National Laboratory of Pattern Recognition, Institute of Automation, of the Chinese Academy of Sciences.

The conference was attended by approximately 400 people, with approximately 300 papers presented. All regions of China were represented. I was given a copy of the proceedings, two bound volumes. The quality of papers presented was, the best as I could grasp what was being said from a summary translation, quite high.

The entire time I was in sessions, one of the senior conference organizers sat beside me and translated a summary of what was being said. I even asked several questions, through interpreters. Except for Dr. William G. Wee, Professor of Electrical and Computer Engineering and Director of the A. I. & Computer Vision Laboratory at the the University of Cincinnati, I was the only non-Chinese citizen at the conference.

Although Prof. Zong Sha was officially my host, Zhou Mengqi, Chief for International Activities of the Chinese Institute of Electronics, served as my guide and interpreter most of the time, picking me up each morning at my hotel, and leaving me off there each evening. Zhou Mengqi was especially helpful and friendly. Their mailing addresses and telephone numbers follow.

Prof. Zong Sha
Fellow & Deputy Secretary General, Chinese Institute of Electronics
Secretary General, IEEE Beijing Section
Senior Advisor, China Research Institute of Radio Propagation
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Telex: 210431 CIE CN

During the conference, the Chinese Neural Networks Committee (CNNC) was formed, with Prof. Zong Sha selected as Secretary General. The CNNC plans to hold a Pacific Rim Symposium on Neural Networks in November, 1992, and has asked for the support of the IEEE NNC as a cooperating or participating organization. Attached is a copy of the Memorandum of Understanding signed by Prof. Zong Sha and me.

Others who actively participated in our meetings relative to planning the conference and expanding IEEE activities in China were:

Prof. Zhong Yixin
Vice President, China Institute of Information Economics
Member, Standing Committee of Directors, China Institute of Artificial Intelligence
Vice Chairman, IT-ASSP Chapter, IEEE Beijing Section
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Prof. Ke You An
Professor of E.E., Beijing Institute of Technology
Vice Chairman, Society of Radar, CIE
Vice Chairman, Society of Signal Processing
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Tel: 8416688-2225(office) -2953(home)

Prof. Tu Xu Yan
President of Chinese Association of Artificial Intelligence
Standing Director of Chinese Association of Automation
Chairman of Dept. of Computer Science and Engineering, University of Science and Technology
No. 30 College Road
Beijing 100083, China
Tel: 2019944-2929(office) 2561174(home)

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Prof. Peilin Luo
Former Vice Chairman of the Science and Technology Comm. of the Ministry of Electronics Industry
Member, Academia Sinica
Fellow, IEEE
Fellow, Chinese Institute of Electronics
Vice President, Chinese Society of Measurement and Metrology
No. 2, Second Entrance
Bldg. 11, Nanshagou
Sanlihe, Beijing
Tel: 863501

Prof. Zhen-Ya He
Director of DSP Research Division
Head of Signal & Information Processing Center
Vice President of Chinese SP Society
Dept. of Radio Engineering
Southeast University
Nanjing 210018, P. R. China
Tel: 631700, ext. 2481

Prof. Yuan Baozong
Director, Institute of Information Sciences
Northern Jiaotong University
Executive Chairman, Society of Signal Processing, CIE
Chairman, Beijing Chapter of Computer Society, IEEE
Beijing 100044, China
Tel: 8316622 ext. 40616(office) 205(home)

Prof. Bing-Zheng Xu
Vice President, South China University of Technology
Director, Institute of Radio Engineering and Automation
South China University of Technology
Guangzhou, China
Tel: 774433-2837

I received a very interesting tour of the National Laboratory of Pattern Recognition, which is part of the Institute of Automation of the Chinese Academy of Sciences. I was given demonstrations in a number of areas, including chromosome pattern identification and matching, robot arm manipulation, image processing and edge detection, and speech recognition. Neural networks were used in the speech recognition, and may or may not have been a part of the other systems.

In addition, I was shown neural network software that appeared to be a significant improvement over Kohonen's Learning Vector Quantization/Minimum Spanning Tree method for clustering data.

At the end of the tour, I was given two two-volume sets comprising the 1988 and 1989 Annual Reports of the National Laboratory of Pattern Recognition. Some of the papers (approximately one-half) are in English, the remainder are in Chinese, but have English abstracts. I have requested a translation of one of the Chinese papers, which is relates to the use of neural networks in health care systems.

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My three hosts at the Laboratory were:

Prof. Chen Dao-Wen
National Laboratory of Pattern Recognition
Institute of Automation
Chinese Academy of Sciences
P. O. Box 2728
Beijing 100080, China
Tel: 28.5513

Assoc. Prof. Yaotong Li
Institute of Automation
Chinese Academy of Sciences
Zhong Guan Cun, Beijing 100080, China
Tel: 28.5513

Asst. Prof. Gao Yuqing
Institute of Automation
Chinese Academy of Sciences
P. O. Box 2728
Beijing 100080, China
Tel: 28.5513

The last morning I was in Beijing, I attended a meeting at the IEEE Beijing Section office. Prof. Zong Sha, Zhou Mengqi and others attended. The agreement, attached as Appendix A, was discussed and signed.

Respectfully submitted,

Russell C. Eberhart

Russell C. Eberhart
Vice President
IEEE Neural Networks Council

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APPENDIX A

Memorandum of Understanding between the IEEE Neural Networks Council and the China Neural Network Committee

Dr. Russell C. Eberhart, Vice President of the IEEE Neural Networks Council, visited the People's Republic of China December 9-13, 1990. During his stay in Beijing, Dr. Eberhart attended the First China Conference on Neural Networks, which was held in Beijing. He presented an excellent paper entitled "Neural Network Biomedical Applications" at the conference which was well received by the participants. As a distinguished guest from the IEEE, he was warmly welcomed by his Chinese colleagues. Dr. Eberhart has been graciously invited to visit China again.

Friendly discussions were held between Dr. Eberhart and Prof. Zong Sha, Secretary General of the IEEE Beijing Section and China Neural Network Committee. The following agreements were reached.

1. The IEEE Beijing Section and China Neural Network Committee are planning to organize a Pacific Rim Symposium on Neural Networks in Beijing, China, to be held November 3-6, 1992, and have invited the IEEE Neural Networks Council to endorse and support this symposium. Dr. Eberhart agreed to recommend to the Neural Networks Council AdCom that the IEEE support the symposium by being a "participating" or "in cooperation with" organization, as defined by the IEEE conference guidelines. (Neither option requires financial support by the IEEE Neural Networks Council.)

2. The International Joint Conference on Neural Networks (IJCNN) that will be held November 18-22, 1991, in Singapore, will be promoted by the Beijing Section and the China Neural Network Committee. They will encourage their members to submit papers and will send a 10-member delegation to the conference.

3. Both sides expressed a great deal of interest in encouraging long term cooperation between the IEEE Neural Networks Council and the China Neural Network Committee, and promoting personnel exchanges and various technical activities in the future.

Russell Eberhart

Dr. Russell Eberhart
Vice President
IEEE Neural Networks Council

Zong Sha 沙宗

Prof. Zong Sha
Secretary General
IEEE Beijing Section &
China Neural Network Committee

艾伯哈特 拉塞尔

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# TAB 5

# Treasurer's Report

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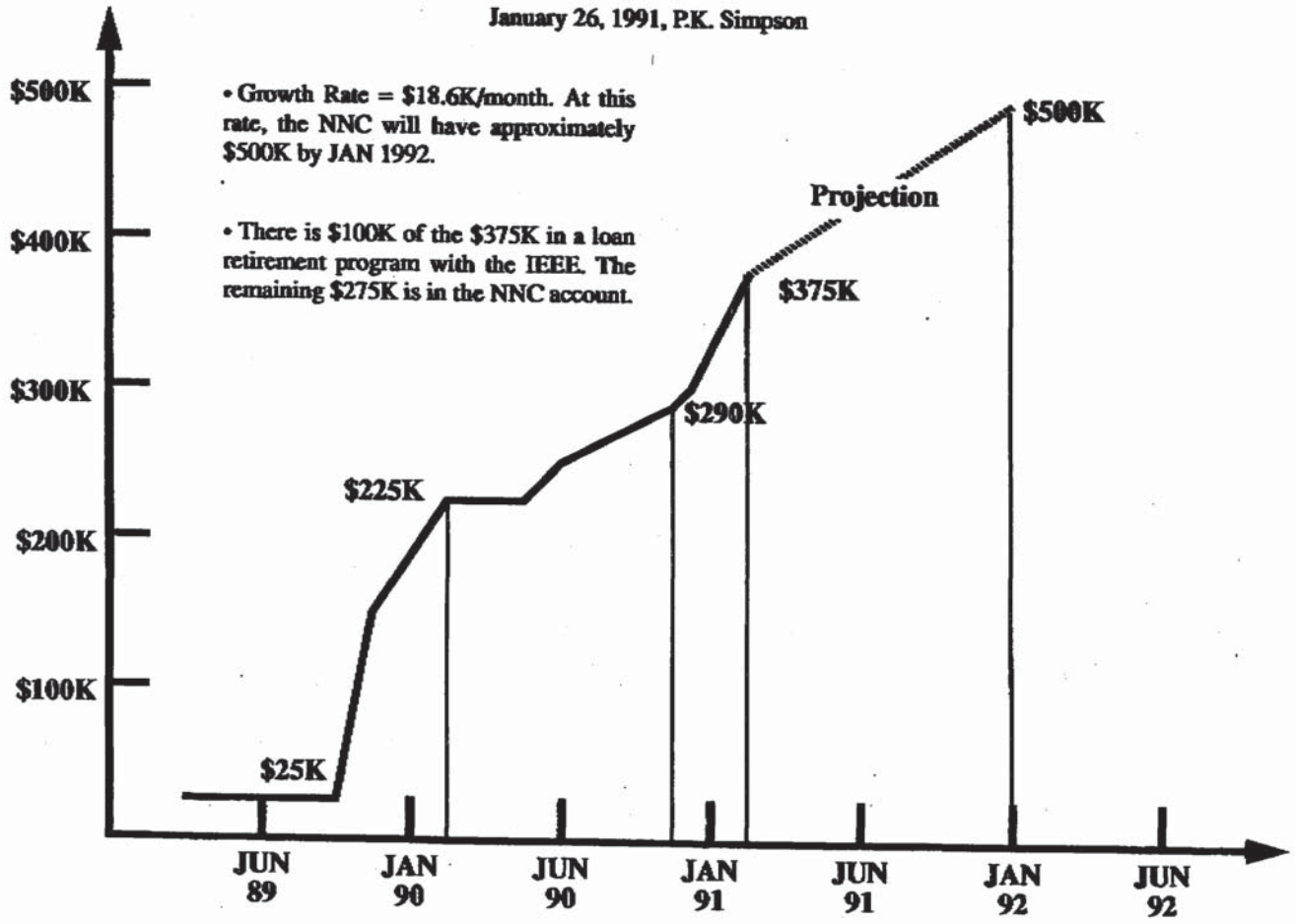
# Neural Networks Council Financial Status

**January 26, 1991, P.K. Simpson**

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# TAB 6

# Editor's Report

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IEEE

NEURAL NETWORKS COUNCIL

Michael W. Roth, Editor
IEEE TRANSACTIONS ON
NEURAL NETWORKS
The Johns Hopkins University
Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20723-6099 USA
(301) 953-6543
Fax: (301) 953-1093

MWR-91-001
15 January 1991

To: IEEE NNC ADCOM

Subject: 1991 Transactions Editor's Report for 26 January 1991 ADCOM Meeting

Attachment: 1990-1992 Transactions Budget

Thanks primarily to Herb Rauch, the transition of the Transactions Editor has been accomplished smoothly. Herb has left the Transactions in fine shape and the traditions that he established will continue. In addition, Ms. Valerie Cammarata at IEEE Publications has informed me that the number of subscriptions to the Transactions has remained stable from 1990 to 1991 at about 8300.

The Attachment describes the budgets for 1990 and 1991 as well as a preliminary 1992 budget estimate that was prepared by Herb. The 1992 budget proposes that the page limit be increased from 640 to 960. There are two main reasons for this. First, the number of submissions is increasing and with six issues per year (versus four in 1990), there is a serious possibility that 960 will be necessary. Second, even if the full page budget is not used, the income to the Transactions from IEEE is based on the page limit and an approved increase in page limit results in increased income. Please note that the three-year 1990-92 budget is expected to result in an overall three-year budget surplus.

THEREFORE, I RECOMMEND THAT WE INCREASE THE 1992 PAGE BUDGET TO 960 PAGES.

Michael W. Roth

Michael W. Roth



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Attachment to:
MWR-91-001
15 January 1991

## 1990-1992 Transactions Budget

| Year | 1990 IEEE Actual | 1991 Revised Budget | 1992 Preliminary Budget |
|---|---|---|---|
| Pages | 320 | 640 | 960 |
| **Income** | | | |
| Voluntary Page Charges | | 5.8K | 13K |
| Transactions Package (1000 copies) | 34.6K | 65.5K | 92K |
| Non-IEEE | 13.4K | 13.4K | 15K |
| IEEE not NNC | 17.1K | 17.1K | 20K |
| IEEE NNC | 53.7K | 53.7K | 60K |
| INCOME TOTAL | 118.8K | 155.5K | 205K |
| **EXPENSES** | | | |
| IEEE Publications | 77.2K | 151K | 225K |
| Editor Expenses | 2.0K | 10K | 5K |
| EXPENSE TOTAL | 79.2K | 161K | 230K |
| POTENTIAL SURPLUS | $39.6K | DEFICIT $ 5.5K | DEFICIT $25K |

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IEEE

**NEURAL NETWORKS COUNCIL**

Michael W. Roth, Editor
**IEEE TRANSACTIONS ON NEURAL NETWORKS**
The Johns Hopkins University
Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20723-6099 USA
(301) 953-6543
Fax: (301) 953-1093

14 January 1991

Phyllis Hall
IEEE Publishing Services
345 East 47th Street
New York, New York 10017-2394

Subject: 1991 Page Budget for IEEE Transactions on Neural Networks

References:
1. Letter from Ms. P. Hall to Dr. M. W. Roth dated 8 January 1991.
2. Minutes of 7 December 1990 IEEE Neural Network Council Executive Committee Meeting.

Dear Ms. Hall:

Thank you for your letter (Reference 1) regarding the 1991 page budget for the IEEE Transactions on Neural Networks. Recently, a new 1991 page budget of 640 pages was unanimously approved by the NNC EXCOM (Reference 2). In addition, the Transactions will be published six times in 1991. Please update your records to reflect this new information.

Very truly yours,

Michael W. Roth

cc: V. Cammarata
R. J. Marks
C. Ralston



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IEEE

# NEURAL NETWORKS COUNCIL

Herbert E. Rauch, Editor
IEEE TRANSACTIONS ON
NEURAL NETWORKS
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304 USA
(415) 424-2704
Fax: (415) 424-2662

To IEEE Neural Networks Council,
Associate Editors, and Other
Interested Parties

January 17, 1990

Subject Status of the Transactions

As you should know, my one year term as Editor of the IEEE Transactions on Neural Networks ended on December 31, 1990, and Michael Roth of Johns Hopkins University is the new Editor. The year 1990 was a great success with 320 pages published in four issues and 8300 subscribers. The number of subscribers increased by 2000 after the March 1990 issue went to press, and we reprinted that March 1990 issue so that all subscribers could receive a copy.

The year 1991 should be an even greater success with 640 pages in six issues. On December 7, 1990, the Executive Committee of the Neural Networks Council increased the 1991 page budget from 480 pages to 640 pages because of the large number of submittals. Since June 1990 there have been about 25 submittals per month, and even with the increased page budget, it will be possible to publish only about one-quarter of the papers submitted.

The January 1991 issue will have 188 pages. The March 1991 issue will have about 100 pages and will include a Special Issue on Neural Network Hardware with seven papers. The Letter section continues to do well with some 60 submittals in 1990 and an acceptance rate of about one in three.

In closing, I send my thanks to all the people who have contributed so much to the success of the Transactions.

Herb Rauch



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TOTOL P.02

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# TAB 7

## International Fuzzy Systems Conference

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# Proposal for International Fuzzy Conference

Submitted by Fuzzy Systems Steering Committee

Patrick K. Simpson, Chair
Roy S. Nutter, Toshio Fukuda, Russell Eberhart

January 15, 1991

## Purpose of Meeting

The purpose of the Neural Networks Council is to advance and coordinate work in the field of Neural Networks carried out throughout the IEEE and as such is exclusively scientific, literary and educational in character. The field of Fuzzy Systems is closely aligned with neural networks in its technological character of developing intelligent systems. As a means to foster the developments in this burgeoning field, the Fuzzy Systems Steering Committee (FSSC) proposes that the Neural Networks Council sponsor an international conference on the subject during the first quarter of 1992.

## Meeting Location

Town and Country Hotel and Convention Center, San Diego, CA, March 1-5, 1992. Nomi Feldman of Meeting Management has blocked out this date for the meeting. The venue is popular for technical meetings and it is one of the most inexpensive in San Diego.

## Organization Committee

| | |
|---|---|
| Honorary Chairman: | Lofti Zadeh, UC Berkeley |
| Organization Chair: | James Bezdek, University of West Florida |
| Program Co-Chairs: | Didier Dubois, University of Paul Sabatier, FRANCE |
| | Henri Prade, University of Paul Sabatier, FRANCE |
| alternate | Philip Smets, Universite Libre de Bruxelles, BELGIUM |
| Finance Chair: | Don Kraft, Lousiana State University |
| alternate | Bob Cannon, University of South Carolina |
| Exhibits Co-Chairs: | Richard Tong, Advanced Decision Systems |
| | Masaki Togai, Togai Infralogic |
| Tutorials Co-Chairs: | Enrique Ruspini, SRI International |
| | Piero Bonisonne, General Electric |
| Publicity Co-Chairs: | Maria Zemancova, National Science Foundation |
| | James Keller, University of Missouri at Columbia |
| Local Arrangements: | Martin McNeil, McNeil Engineering |

Lofti Zadeh has agreed to the Honorary Chair Position. James Bezdek has agreed to the Organization Chair position. Dr. Bezdek provided the list for the remainder of his Organization Committee. Only Zadeh and Bezdek have been officially asked to accept positions within the


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meeting as of this date.

## Meeting Management

Meeting Management, Ms. Nomi Feldman, 5665 Oberlin Drive, Suite 110, San Diego, CA 92121.

The FSSC proposes that Nomi Feldman and her group at Meeting Management act as the meeting management organization for the International Fuzzy Systems Conference. Meeting Management has ran several successful meetings with the NNC in the past, her experience with technical meetings has made her extremely efficient and, hence, affordable, and she is local to the meeting's location.

## Budget

A budget is being prepared for an estimated 500 registrants. The budget will be prepared using previous IJCNN conferences as a guideline.

## Related Meetings

First International Symposium on Uncertainty and Analysis: Fuzzy Reasoning, Probabilistic Methods, and Risk Management, December 3-5, 1990, University of Maryland, IEEE.

Fuzzy Signals and Systems, July 15-17, 1991, Warsaw, POLAND, AMSE.

## Potential Cooperating Societies

SOFT - SOciety for Fuzzy Theory, JAPAN.

IFSA - International Fuzzy Systems Society.

NAFIPS - North American Fuzzy Information Processing Society



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TAB 8

IJCNN Seattle '91

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**Report on Expenditures of Seed Money from IJCNN Wash. D.C. Conference, 1990 for Expenses for Seattle 1991 Conference as of November 25, 1990**

| | | | |
|---|---|---|---|
| Seed Money from INNS for IJCNN Wash D. C. Conference | | | $50,000.00 |
| Expenditures for Seattle 91 Conference: | | | |
| Administrative, Ck #1230 to Sarah Eck | | $270.52 | |
| Publications (Call for Papers) | | | |
| Chuck Thatcher Lithographer,Ck #1235 | $ 177.87 | | |
| J. Humphrey (Envelopes)Ck # 1238 | 165.00 | | |
| Chuck Thatcher, Ck #1237 | 2,332.69 | | |
| Total for Publications | | $2,675.56 | |
| Marketing | | | |
| RB Mailbox (fax) Ck #1221 | $ 42.00 | | |
| Hoffman & Hauser Ck # 1222 (Booth) | 576.25 | | |
| Conklin Lith. Ck # 1225 | 1,816.88 | | |
| Conklin Lith. Ck # 1226 | 6,985.94 | | |
| Conklin Lith. Ck # 1227 | 1,487.50 | | |
| Anytime Signs # 1228 | 107.25 | | |
| Grant Photo # 1229 | 64.35 | | |
| J. Humphrey (Booth Decor) # 1231 | 108.73 | | |
| S. D. Stage & Lighting # 1232 | 48.00 | | |
| Carden Convention Center #1233 | 92.24 | | |
| Super Computing #1234 | 1,960.00 | | |
| Unisource #1237 | 194.76 | | |
| Chuck Thatcher (Stationery) #1238 | 268.93 | | |
| Total for Marketing | | $13,752.83 | |
| Total Expenditure of Seed Money to date | | | $16,698.91 |
| Amount of Seed Money from Wash. D. C. 90 Conference remaining as of 11/25/90 | | | $33,301.09 |

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IJCNN-91-MARKETING B

| | A | B |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | LETTERHEAD & ENVELOPES | 275 |
| 4 | | |
| 5 | CALL FOR PAPERS TO PRESS 400 EDITORS | |
| 6 | Printing | 125 |
| 7 | Postage | 650 |
| 8 | Label Application | 30 |
| 9 | | |
| 10 | CALL FOR PAPERS TO COLLEGES & UNIVERSITIES | |
| 11 | Postage | 2560 |
| 12 | Label Application | 75 |
| 13 | | |
| 14 | IEEE MAILING to 30,000 BULK RATE | 42056 |
| 15 | (See Attached Schedule) | |
| 16 | ADDITIONAL CALL FOR PAPERS/PROGRAM (20,000) | 3400 |
| 17 | | |
| 18 | ADVERTISING B&W CALL FOR PAPERS & CONFERENCE DATE | 17500 |
| 19 | | |
| 20 | PUBLIC RELATION EFFORTS | |
| 21 | 50 TOP WASHINGTON COMPANIES PACKET | |
| 22 | Posters, Brochures, Flyers | 1000 |
| 23 | IAKE Conference | 85 |
| 24 | Japanese PR of CRC | 3250 |
| 25 | European PR of University of Peace | 3000 |
| 26 | Don Wunsch Boeing CSD | 500 |
| 27 | Robert Pap Government PR/US | 500 |
| 28 | | |
| 29 | | 75006 |


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# IJCNN-91-MAILING COSTS

| | A | B | C | D |
|---|---|---|---|---|
| 1 | QUANTITY 30,000 | BULK | | 1st CLASS |
| 2 | ENVELOPE | 4100 | | 4100 |
| 3 | PROGRAM/POSTER | 7000 | | 7000 |
| 4 | REG/INSERT | 1000 | | 1000 |
| 5 | HOTEL RESERVATION FORM | 1000 | | 1000 |
| 6 | TYPESETTING/ART WORK | 1000 | | 1000 |
| 7 | IEEE/LABELING & STUFFING | 2500 | | 3500 |
| 8 | US POSTAGE w/IEEE BULK RATE | 2016 | 24000*.084 | 15600 |
| 9 | CANADIAN POSTAGE w/IEEE RATE | 740 | 1000*.74 | 1820 |
| 10 | FOREIGN MAILING w/IEEE RATE | 8500 | 8.5/5*5000 | 10500 |
| 11 | IEEE LABELS | 13200 | .44 @30,000 | 13200 |
| 12 | FREIGHT TO NY FOR PROGRAM/POSTER | 1000 | | |
| 13 | | 42056 | | 58720 |
| 14 | | | | |
| 15 | COST OF EACH MAILED PIECE IJCNN-91- | $1.40 | | $1.96 |
| 16 | | | | |
| 17 | EXTRA 20,000 PROGRAM/POSTER | 3400 | | 3400 |


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| | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| 1 | 9-Oct-90 | | | IJCNN-91-Seattle REVISED Budget Income | | | | |
| 2 | | | | Member | Non-Member | Student | | |
| 3 | Early Pre-Reg Fee | | | $195.00 | $295.00 | $50.00 | | |
| 4 | Late Pre-Reg Fee | | | $295.00 | $395.00 | $75.00 | | |
| 5 | On-Site Reg Fee | | | $395.00 | $495.00 | $95.00 | | |
| 6 | Tutorial Fee | | | $195.00 | $195.00 | $85.00 | | |
| 7 | One-Day Fee | | | $125.00 | $175.00 | | | |
| 8 | | | | | | | | |
| 9 | Number of Attendees | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 |
| 10 | Registration Income | | | | | | | |
| 11 | Member Early Pre-Reg | $34125.00 | $40950.00 | $47775.00 | $54600.00 | $61425.00 | $68250.00 | $75075.00 |
| 12 | Non-Mem Early Pre-Reg | $34125.00 | $40950.00 | $47775.00 | $54600.00 | $61425.00 | $68250.00 | $75075.00 |
| 13 | Member Late Pre-Reg | $51625.00 | $61950.00 | $72275.00 | $82600.00 | $92925.00 | $103250.00 | $113575.00 |
| 14 | Non-Mem Late Pre-Reg | $51625.00 | $61950.00 | $72275.00 | $82600.00 | $92925.00 | $103250.00 | $113575.00 |
| 15 | Member On-Site | $69125.00 | $82950.00 | $96775.00 | $110600.00 | $124425.00 | $138250.00 | $152075.00 |
| 16 | Non-Member On-Site | $86625.00 | $103950.00 | $121275.00 | $138600.00 | $155925.00 | $173250.00 | $190575.00 |
| 17 | Student Early | $4375.00 | $5250.00 | $6125.00 | $7000.00 | $7875.00 | $8750.00 | $9625.00 |
| 18 | Student On-Site | $8312.50 | $9975.00 | $11637.50 | $13300.00 | $14962.50 | $16625.00 | $18287.50 |
| 19 | Member One-Day | $1562.50 | $1875.00 | $2187.50 | $2500.00 | $2812.50 | $3125.00 | $3437.50 |
| 20 | Non-Mem One-Day | $2187.50 | $2625.00 | $3062.50 | $3500.00 | $3937.50 | $4375.00 | $4812.50 |
| 21 | Tot Regis. Income | $343687.50 | $412425.00 | $481162.50 | $549900.00 | $618637.50 | $687375.00 | $756112.50 |
| 22 | | | | | | | | |
| 23 | Conference Promo Sales | $1125.00 | $1350.00 | $1575.00 | $1800.00 | $2025.00 | $2250.00 | $2475.00 |
| 24 | | | | | | | | |
| 25 | Exhibits | $59250.00 | $59250.00 | $59250.00 | $59250.00 | $59250.00 | $59250.00 | $59250.00 |
| 26 | Exhibitor Ads | $5000.00 | $5000.00 | $5000.00 | $5000.00 | $5000.00 | $5000.00 | $5000.00 |
| 27 | Other Income | | | | | | | |
| 28 | Interest | $1000.00 | $1000.00 | $1000.00 | $1000.00 | $1000.00 | $1000.00 | $1000.00 |
| 29 | Advance from INNS | $50000.00 | $50000.00 | $50000.00 | $50000.00 | $50000.00 | $50000.00 | $50000.00 |
| 30 | Hotel Room Surcharge | $10500.00 | $10500.00 | $10500.00 | $10500.00 | $10500.00 | $10500.00 | $10500.00 |
| 31 | Social Func. Tickets | $875.00 | $1050.00 | $1225.00 | $1400.00 | $1575.00 | $1750.00 | $1925.00 |
| 32 | Tutorial Fees | $27562.50 | $33075.00 | $38587.50 | $44100.00 | $49612.50 | $55125.00 | $60637.50 |
| 33 | | | | | | | | |
| 34 | TOTAL INCOME | $499000.00 | $573650.00 | $648300.00 | $722950.00 | $797600.00 | $872250.00 | $946900.00 |
| 35 | TOTAL EXPENSES | $421645.16 | $443948.19 | $466251.22 | $488554.25 | $510857.28 | $533160.31 | $555463.34 |
| 36 | NET SURPLUS | $77354.84 | $129701.81 | $182048.78 | $234395.75 | $286742.72 | $339089.69 | $391436.66 |
| 37 | SURPLUS plus SEED MONEY | $127354.84 | $179701.81 | $232048.78 | $284395.75 | $336742.72 | $389089.69 | $441436.66 |
| 38 | | | | | | | | |
| 39 | | | | | | | | |
| 40 | | | | | | | | |
| 41 | | | | | | | | |
| 42 | | | | | | | | |
| 43 | | | | | | | | |
| 44 | | | | | | | | |



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9-Oct-90 IJCNN-91-SEATTLE Expense Budget

| Number of Attendees | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 |
|---|---|---|---|---|---|---|---|
| **MARKETING/PROMOTION** | | | | | | | |
| Brochure Printing (75000) | $20000.00 | $20000.00 | $20000.00 | $20000.00 | $20000.00 | $20000.00 | $20000.00 |
| Mailing (50000) | $10900.00 | $10900.00 | $10900.00 | $10900.00 | $10900.00 | $10900.00 | $10900.00 |
| Mailing Lists (25000) | $3125.00 | $3125.00 | $3125.00 | $3125.00 | $3125.00 | $3125.00 | $3125.00 |
| Advertisements | $20000.00 | $20000.00 | $20000.00 | $20000.00 | $20000.00 | $20000.00 | $20000.00 |
| Public Relations/Press | $15000.00 | $15000.00 | $15000.00 | $15000.00 | $15000.00 | $15000.00 | $15000.00 |
| Miscellaneous Promotion | $6000.00 | $6000.00 | $6000.00 | $6000.00 | $6000.00 | $6000.00 | $6000.00 |
| **Total Marketing** | **$75025.00** | **$75025.00** | **$75025.00** | **$75025.00** | **$75025.00** | **$75025.00** | **$75025.00** |
| **SOCIAL FUNCTIONS** | | | | | | | |
| Tuesday Eve Reception | $15625.00 | $18750.00 | $21875.00 | $25000.00 | $28125.00 | $31250.00 | $34375.00 |
| Coffee Breaks | $9375.00 | $11250.00 | $13125.00 | $15000.00 | $16875.00 | $18750.00 | $20625.00 |
| Press Functions | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 |
| **Total Social Functions** | **$35000.00** | **$40000.00** | **$45000.00** | **$50000.00** | **$55000.00** | **$60000.00** | **$65000.00** |
| **REGISTRATION EXPENSES** | | | | | | | |
| Credit Card Fees | $2577.66 | $3093.19 | $3608.72 | $4124.25 | $4639.78 | $5155.31 | $5670.84 |
| Attendee Packet | $12512.50 | $14300.00 | $16087.50 | $17875.00 | $19662.50 | $21450.00 | $23237.50 |
| Final Program | $9625.00 | $11000.00 | $12375.00 | $13750.00 | $15125.00 | $16500.00 | $17875.00 |
| Meeting Mgr On-Site Exp | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| Phone/Postage/Etc. | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 |
| Meeting Mgr Fee | $31250.00 | $37500.00 | $43750.00 | $50000.00 | $56250.00 | $62500.00 | $68750.00 |
| **Tot Regis. Expenses** | **$57465.16** | **$67393.19** | **$77321.22** | **$87249.25** | **$97177.28** | **$107105.31** | **$117033.34** |
| **MEETING RENT & FEES** | **$30000.00** | **$30000.00** | **$30000.00** | **$30000.00** | **$30000.00** | **$30000.00** | **$30000.00** |
| **PUBLICATION EXPENSES** | | | | | | | |
| Review Expenses | $17900.00 | $17900.00 | $17900.00 | $17900.00 | $17900.00 | $17900.00 | $17900.00 |
| Proceedings Publication | $31250.00 | $37500.00 | $43750.00 | $50000.00 | $56250.00 | $62500.00 | $68750.00 |
| Posters & Prelim Program | $10375.00 | $11500.00 | $12625.00 | $13750.00 | $14875.00 | $16000.00 | $17125.00 |
| **Tot Pub Expenses** | **$59525.00** | **$66900.00** | **$74275.00** | **$81650.00** | **$89025.00** | **$96400.00** | **$103775.00** |
| **ADMINISTRATION EXPENSES** | | | | | | | |
| Insurance/Bonding | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 |
| Security & Guards | $4000.00 | $4000.00 | $4000.00 | $4000.00 | $4000.00 | $4000.00 | $4000.00 |
| Audio/Visual Equipment | $17500.00 | $17500.00 | $17500.00 | $17500.00 | $17500.00 | $17500.00 | $17500.00 |
| Office Equip (fax,copy, etc.) | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 |
| Signage/Forms | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 |
| Telephone | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 | $2000.00 |
| Auditing | $7500.00 | $7500.00 | $7500.00 | $7500.00 | $7500.00 | $7500.00 | $7500.00 |
| Bookkeeping/Finance | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 |
| **Tot Admin Expenses** | **$46500.00** | **$46500.00** | **$46500.00** | **$46500.00** | **$46500.00** | **$46500.00** | **$46500.00** |
| **SEED MONEY TO 92 CON** | **$50000.00** | **$50000.00** | **$50000.00** | **$50000.00** | **$50000.00** | **$50000.00** | **$50000.00** |
| **COMMITTEE EXPENSES** | | | | | | | |
| Tutorial Speaker Fees | $3500.00 | $3500.00 | $3500.00 | $3500.00 | $3500.00 | $3500.00 | $3500.00 |



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Travel Expenses, Tutorial | $7550.00 | $7550.00 | $7550.00 | $7550.00 | $7550.00 | $7550.00 | $7550.00 |
| Plenary Speaker Travel | $4500.00 | $4500.00 | $4500.00 | $4500.00 | $4500.00 | $4500.00 | $4500.00 |
| Committee Travel | $7000.00 | $7000.00 | $7000.00 | $7000.00 | $7000.00 | $7000.00 | $7000.00 |
| 2 Comp Suites (INNS/IEEE) | $5280.00 | $5280.00 | $5280.00 | $5280.00 | $5280.00 | $5280.00 | $5280.00 |
| Committee Phone Expenses | $1000.00 | $1000.00 | $1000.00 | $1000.00 | $1000.00 | $1000.00 | $1000.00 |
| Fax/Express Mail | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 | $1500.00 |
| Tot Comm. Expenses | $30330.00 | $30330.00 | $30330.00 | $30330.00 | $30330.00 | $30330.00 | $30330.00 |
| EXHIBIT EXPENSES | | | | | | | |
| Hall Rental | $14000.00 | $14000.00 | $14000.00 | $14000.00 | $14000.00 | $14000.00 | $14000.00 |
| Exhibit Management | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 | $10000.00 |
| it Coordination & Marketing | $13800.00 | $13800.00 | $13800.00 | $13800.00 | $13800.00 | $13800.00 | $13800.00 |
| Tot Exhibit Expenses | $37800.00 | $37800.00 | $37800.00 | $37800.00 | $37800.00 | $37800.00 | $37800.00 |
| Total Conference Expen: | $421645.16 | $443948.19 | $466251.22 | $488554.25 | $510857.28 | $533160.31 | $555463.34 |



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# TAB 9

# IJCNN '91 Budget

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# IJCNN-91-Seattle REVISED Budget Income

| | Member | Non-Member | Student |
|---|---|---|---|
| Early Pre-Reg Fee | $195 | $295 | $50 |
| Late Pre-Reg Fee | $295 | $395 | $75 |
| On-Site Reg Fee | $385 | $495 | $95 |
| Tutorial Fee | $195 | $195 | $55 |
| One-Day Fee | $125 | $175 | |

| Number of Attendees | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 |
|---|---|---|---|---|---|---|---|---|
| **Registration Income** | | | | | | | | |
| Member Early Pre-Reg | $34,125 | $40,950 | $47,775 | $54,600 | $61,425 | $68,250 | $75,075 | $81,900 |
| Non-Mem Early Pre-Reg | $34,125 | $40,950 | $47,775 | $54,600 | $61,425 | $68,250 | $75,075 | $81,900 |
| Member Late Pre-Reg | $51,625 | $61,950 | $72,275 | $82,600 | $92,925 | $103,250 | $113,575 | $123,900 |
| Non-Mem Late Pre-Reg | $51,625 | $61,950 | $72,275 | $82,600 | $92,925 | $103,250 | $113,575 | $123,900 |
| Member On-Site | $69,125 | $82,950 | $96,775 | $110,600 | $124,425 | $138,250 | $152,075 | $165,900 |
| Non-Member On-Site | $86,625 | $103,950 | $121,275 | $138,600 | $155,925 | $173,250 | $190,575 | $207,900 |
| Student Early | $4,375 | $5,250 | $6,125 | $7,000 | $7,875 | $8,750 | $9,625 | $10,500 |
| Student On-Site | $8,313 | $9,975 | $11,638 | $13,300 | $14,963 | $16,625 | $18,288 | $19,950 |
| Member One-Day | $1,563 | $1,875 | $2,188 | $2,500 | $2,813 | $3,125 | $3,438 | $3,750 |
| Non-Mem One-Day | $2,188 | $2,625 | $3,063 | $3,500 | $3,938 | $4,375 | $4,813 | $5,250 |
| **Tot Regis. Income** | **$343,688** | **$412,425** | **$481,163** | **$549,900** | **$618,638** | **$687,375** | **$756,113** | **$824,850** |
| **Conference Proms Sales** | **$1,125** | **$1,350** | **$1,575** | **$1,800** | **$2,025** | **$2,250** | **$2,475** | **$2,700** |
| Exhibits | $50,250 | $50,250 | $50,250 | $50,250 | $50,250 | $53,250 | $55,250 | $58,250 |
| Exhibitor Ads | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 |
| **Other Income** | | | | | | | | |
| Interest | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 |
| Advance from INNS | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 | $50,000 |
| Hotel Room Surcharge | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 | $10,500 |
| Social Func. Tickets | $875 | $1,050 | $1,225 | $1,400 | $1,575 | $1,750 | $1,925 | $2,100 |
| Tutorial Fees | $27,563 | $33,075 | $38,588 | $44,100 | $49,613 | $55,125 | $60,638 | $66,150 |
| **TOTAL INCOME** | **$499,000** | **$573,650** | **$648,300** | **$722,950** | **$797,600** | **$872,250** | **$946,900** | **$1,021,550** |
| **TOTAL EXPENSES** | **$421,645** | **$443,948** | **$466,251** | **$488,554** | **$510,857** | **$533,160** | **$555,463** | **$577,766** |
| **NET SURPLUS** | **$77,355** | **$129,702** | **$182,049** | **$234,396** | **$286,743** | **$339,090** | **$391,437** | **$443,784** |
| **SURPLUS plus SEED MONEY** | **$127,355** | **$179,702** | **$232,049** | **$284,396** | **$336,743** | **$389,090** | **$441,437** | **$493,784** |

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# IJCNN-91-SEATTLE Expense Budget

| Number of Attendees | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 |
|---|---|---|---|---|---|---|---|---|
| **MARKETING/PROMOTION** | | | | | | | | |
| Brochure Printing (75000) | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |
| Mailing (50000) | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 | $10,900 |
| Mailing Lists (25000) | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 | $3,125 |
| Advertisements | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |
| Public Relations/Press | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 |
| Miscellaneous Promotion | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 | $6,000 |
| **Total Marketing** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** | **$75,025** |
| **SOCIAL FUNCTIONS** | | | | | | | | |
| Tuesday Eve Reception | $15,625 | $18,750 | $21,875 | $25,000 | $28,125 | $31,250 | $34,375 | $37,500 |
| Coffee Breaks | $9,375 | $11,250 | $13,125 | $15,000 | $16,875 | $18,750 | $20,625 | $22,500 |
| Press Functions | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| **Total Social Functions** | **$35,000** | **$40,000** | **$45,000** | **$50,000** | **$55,000** | **$60,000** | **$65,000** | **$70,000** |
| **REGISTRATION EXPENSES** | | | | | | | | |
| Credit Card Fees | $2,578 | $3,093 | $3,609 | $4,124 | $4,640 | $5,155 | $5,671 | $6,186 |
| Attendee Packet | $12,513 | $14,300 | $16,088 | $17,875 | $19,663 | $21,450 | $23,238 | $25,025 |
| Final Program | $9,625 | $11,000 | $12,375 | $13,750 | $15,125 | $16,500 | $17,875 | $19,250 |
| Meeting Mgr On-Site Exp | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Phone/Postage/Etc. | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| Meeting Mgr Fee | $31,250 | $37,500 | $43,750 | $50,000 | $56,250 | $62,500 | $68,750 | $75,000 |
| Tot Regis. Expenses | $57,466 | $67,393 | $77,321 | $87,249 | $97,177 | $107,105 | $117,033 | $126,961 |
| **MEETING RENT & FEES** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** | **$30,000** |
| **PUBLICATION EXPENSES** | | | | | | | | |
| Review Expenses | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 | $17,900 |
| Proceedings Publication | $31,250 | $37,500 | $43,750 | $50,000 | $56,250 | $62,500 | $68,750 | $75,000 |
| Posters & Prelim Program | $10,375 | $11,500 | $12,625 | $13,750 | $14,875 | $16,000 | $17,125 | $18,250 |
| **Tot Pub Expenses** | **$59,525** | **$66,900** | **$74,275** | **$81,650** | **$89,025** | **$96,400** | **$103,775** | **$111,150** |
| **ADMINISTRATION EXPENSES** | | | | | | | | |
| Insurance/Bonding | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Security & Guards | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 | $4,000 |
| Audio/Visual Equipment | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 | $17,500 |
| Office Equip (fax,copy, etc.) | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| Signage/Forms | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Telephone | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 | $2,000 |
| Auditing | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 | $7,500 |
| Bookkeeping/Finance | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| **Tot Admin Expenses** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** | **$46,500** |
| **SEED MONEY TO 92 CONF** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** | **$50,000** |
| **COMMITTEE EXPENSES** | | | | | | | | |
| Tutorial Speaker Fees | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 | $3,500 |
| Travel Expenses, Tutorial | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 | $7,550 |
| Plenary Speaker Travel | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 | $4,500 |
| Committee Travel | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 | $7,000 |
| 2 Comp Suites (INNS/IEEE) | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 | $5,280 |
| Committee Phone Expenses | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 | $1,000 |
| Fax/Express Mail | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 |
| **Tot Comm. Expenses** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** | **$30,330** |
| **EXHIBIT EXPENSES** | | | | | | | | |
| Hall Rental | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 | $14,000 |
| Exhibit Management | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 |
| Exhibit Coordination & Marketing | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 | $13,800 |
| **Tot Exhibit Expenses** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** | **$37,800** |
| **Total Conference Expenses** | **$421,648** | **$443,948** | **$466,251** | **$488,554** | **$510,857** | **$533,160** | **$555,463** | **$577,766** |

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# TAB 10

# IJCNN '90 San Diego

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COMPUTER SCIENCE DEPARTMENT
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
LOS ANGELES, CALIFORNIA 90024

December 12, 1990

Professor Robert J. Marks
President, IEEE Council on Neural Networks
Department of Electrical Engineering, FT-10
University of Washington
Seattle, Washington 98195

Dear Bob:

On behalf of the organizing committee of IJCNN-90 I am belatedly transmitting to you the auditor's report dated September 17, 1990. I am also enclosing a report by Mr. Romeo Favreau, the conference controller, detailing the handling of the items listed as "contingencies" in the audit.

The conference showed a surplus of $ 147,310.79. One half of this amount has been transmitted to the International Neural Network Society. A check for the other half, amounting to $ 73,655,39, has been made out to Institute of Electrical and Electronic Engineers and transmitted to your treasurer, Mr. Pat Simpson.

I am pleased that the conference turned out to be a technical as well as a financial success. It would be appropriate that you send a special letter of thanks to the three individuals whose efforts were most instrumental in assuring the success of the conference. They are:

Dr. Bart Kosko
Ms Nomi Feldman
Mr. Romeo Favreau (POB 1375, Rancho Santa Fe, CA 92067)

Sincerely yours,

Walter J. Karplus
Co-General Chair

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Nov. 7, 1990
P.O.Box 1375
Rancho Santa Fe, Ca. 92067

TO : Walter Karplus Program Chairman
From : Romeo Favreau Comptroller
Subject: Final Report on IJCNN90 Conference

Enclosed is included the Auditor's Report which was performed with the Bank Statements as of August 1990. The Auditors reported a profit of 128,849 consisting of 102,455 profit on a Cash basis as of 8/31/90; potential Receivables of 52,319 and potential Payables of 24,925.

The potentionals vs actuals (as of 10/31/90) are as follows;

| | Audit Report | Final (10/31/90) |
|---|---|---|
| Net Proceeds - cash basis | 102,455 | 102,455 |
| Receivables | | |
| Registration Fees | 2,319 | 255 |
| Sale of Proceedings | 50,000 | 49,137 |
| Interest (Sept & Oct) | | 1,107 |
| Total Receiables | 52,319 | 50,499 |
| Payables | | |
| Speaker Expense | 3,425 | 0 |
| Volunteer Committee | 2,500 | 785 |
| Contingency | 15,000 | 2,160 |
| Audit Fee | 5,000 | 4,000 |
| Total Receiables | 24,925 | 6,945 |
| Net Proceeds | 124,418 | 146,009 |
| Bank Balance as of 10/31/90 | | 147,414.65 |
| Including Checks (#1088($572),1114($537)) not cashed | | |
| Minus Final checks cleared (#1214,1215) | | -249.03 |
| Plus Final Bank Interest | | +145.17 |
| Total Amount to be disbursed | | 147,310.79 |
| IEEE San Diego Section | | 73,655.39 |
| International Neural Network Society | | 73,655.40 |

Enclosed are Cashiers Checks for the Proper Amounts

Romeo R Favreau

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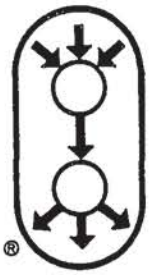

# IEEE FIRST INTERNATIONAL CONFERENCE ON NEURAL NETWORKS

## Sheraton Harbor Island East
## San Diego, California
## June 21-24, 1987

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

EDITORS:
MAUREEN CAUDILL
CHARLES BUTLER

IEEE CATALOG NUMBER 87TH0191-7

SAN DIEGO SECTION
SYSTEMS, MAN, AND CYBERNETICS SOCIETY
CONTROL SYSTEMS SOCIETY
ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY

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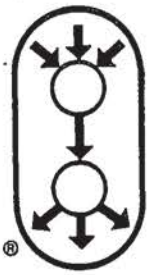

# IEEE FIRST INTERNATIONAL CONFERENCE ON NEURAL NETWORKS

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SYSTEMS, MAN, AND CYBERNETICS SOCIETY
CONTROL SYSTEMS SOCIETY
ENGINEERING IN MEDICINE AND
BIOLOGY SOCIETY

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# THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

## REPORT ON AUDIT OF STATEMENT OF REVENUE AND EXPENSES AND ALLOCATION OF NET PROCEEDS

## FOR THE FOURTH ANNUAL INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORKS JUNE 17 THROUGH 21, 1990

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# THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

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JGD JASSOY, GRAFF & DOUGLAS
CERTIFIED PUBLIC ACCOUNTANTS

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FAX (619) 454-3564

# INDEPENDENT ACCOUNTANT'S REPORT

To the Committee of
The Institute of Electrical and Electronics Engineers, Inc.
Fourth Annual International Joint Conference on Neural Networks
San Diego, California

We have audited the accompanying statement of revenue and expenses and allocation of net proceeds, on a cash basis, for the Fourth Annual International Joint Conference on Neural Networks held on June 17 through 21, 1990. These financial statements are the responsibility of the Conference's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described in Note 1, the accompanying statement of revenue and expenses and allocation of net proceeds have been prepared on a cash basis; thus, revenue is recognized when received, rather than when earned, and expenses are recognized when paid, rather than when the obligations are incurred. Accordingly, the statement of revenue and expenses and allocation of net proceeds are not intended to present the results of operations in conformity with generally accepted accounting principles.

In our opinion, the financial statements referred to above present fairly, in all material respects, the revenue and expenses and allocation of net proceeds for the Fourth Annual International Joint Conference on Neural Networks covering the period of June 17 through 21, 1990, on the basis of accounting described in Note 1.

Jassoy, Graff & Douglas

September 17, 1990



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**The Institute of Electrical and Electronics Engineers, Inc.**
**STATEMENT OF REVENUE AND EXPENSES - CASH BASIS**
**For the Fourth Annual International**
**Joint Conference on Neural Networks**
**Held June 17 through 21, 1990**

| | Conference | Tutorial | Total |
|---|---|---|---|
| REVENUE | | | |
| Registration | $ 265,153 | | $ 265,153 |
| Tutorials | | $ 123,485 | 123,485 |
| Exhibits | 38,997 | | 38,997 |
| Proceedings | 27,149 | | 27,149 |
| Hotel room commission | 37,428 | | 37,428 |
| Other revenue, including interest of $3,569 | 21,363 | 1,785 | 23,148 |
| Total revenue | 390,090 | 125,270 | 515,360 |
| EXPENSES | | | |
| Marketing | 29,965 | 29,965 | 59,930 |
| Administration | 62,810 | | 62,810 |
| Exhibits | 11,776 | | 11,776 |
| Proceedings | 80,880 | | 80,880 |
| Hospitality | 58,336 | | 58,336 |
| Meeting | 34,025 | | 34,025 |
| Tutorials | | 64,366 | 64,366 |
| Speakers | | 25,508 | 25,508 |
| Miscellaneous | 15,274 | | 15,274 |
| Total expenses | 293,066 | 119,839 | 412,905 |
| Net proceeds | $ 97,024 | $ 5,431 | $ 102,455 |

The accompanying notes are an integral part of the financial statements.



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**The Institute of Electrical and Electronics Engineers, Inc.**
**ALLOCATION OF NET PROCEEDS - CASH BASIS**
**For the Fourth Annual International**
**Joint Conference on Neural Networks**
**Held June 17 through 21, 1990**

| | Conference | Tutorial | Total |
|---|---|---|---|
| Net proceeds available for allocation (see Note 3) | $ 97,024 | $ 5,431 | $ 102,455 |
| Allocation | | | |
| IEEE San Diego Section | | | 51,228 |
| International Neural Network Society | | | 51,227 |
| | | | $ 102,455 |

The accompanying notes are an integral part of the financial statements.



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The Institute of Electrical and Electronics Engineers, Inc.

# NOTES TO STATEMENT OF REVENUE AND EXPENSES AND ALLOCATION OF NET PROCEEDS

For the Fourth Annual International
Joint Conference on Neural Networks

## NOTE 1–ORGANIZATION AND BASIS OF PRESENTATION

The San Diego Chapter of the Institute of Electrical and Electronics Engineers, Inc. (the I.E.E.E.) held the Fourth Annual International Joint Conference on Neural Networks from June 17 through 21, 1990. The statement of revenue and expenses and allocation of net proceeds for that conference have been prepared on the cash basis of accounting and not on an accrual basis, as would be required by generally accepted accounting principles. In order for the statements to be in accordance with generally accepted accounting principles, revenues would be recognized when earned, rather than when received, and expenses would be recognized when incurred, rather than when paid (see Note 3).

## NOTE 2–INCOME TAX

No income tax has been provided on the net proceeds since this was an activity of the I.E.E.E. and the outcome will be incorporated into their operating results at year-end.

## NOTE 3–CONTINGENCIES (UNAUDITED)

Below is a summary of the unaudited receivables and payable outstanding at August 31, 1990. Had these assets and liabilities been reflected as revenue and expenses in the accompanying statement of revenue and expenses, the net proceeds from the conference and tutorials section and allocation of net proceeds would have been as follows:

| | Conference | Tutorial | Total |
|---|---|---|---|
| Net proceeds - cash basis | $ 97,024 | $ 5,431 | $ 102,455 |
| Receivables | | | |
| Conference registration fees | 2,319 | | 2,319 |
| Estimated revenue from sale of proceeding brochures | 50,000 | | 50,000 |
| Total receivables | 52,319 | | 52,319 |
| Payables | | | |
| Speaker expense | 3,425 | | 3,425 |
| Volunteer committee | 2,500 | | 2,500 |
| Contingency | 15,000 | | 15,000 |
| Audit fees | 4,000 | 1,000 | 5,000 |
| Total payables | 24,925 | 1,000 | 25,925 |
| Net proceeds | $ 124,418 | $ 4,431 | $ 128,849 |
| Allocation of net proceeds | | | |
| IEEE San Diego Section | | | $ 64,425 |
| International Neural Network Society | | | 64,424 |
| | | | $ 128,849 |



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TAB 11

# Conference on Adaptive Materials & Structures

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
President

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

October 17, 1990

Dr. Roy Nutter, Chair
NNC Meetings Committee
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, West Virginia 26506

Dear Roy,

The attached letter from Dr. Knowles describes an activity of the type in which our Council may wish to participate. Please have your committee review this letter and propose action you feel appropriate.

Sincerely,

Robert J. Marks II, President
IEEE Council on Neural Networks

cc: Russ Eberhart, NNC Vice President
Evangelia Tzanakou, NNC Secretary
Pat Simpson, NNC Treasurer
NNC Meetings Committee:
Walter Karplus
Ed Posner
Robert Newcomb
Gareth Knowles



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**Grumman Corporate Research Center**
Bethpage, New York 11714-3580

Dr. Gareth J. Knowles
M.S. AO8-35
Grumman Corporate Research Center
Bethpage, NY 11714
Tel: (516) 575-3507

3rd Oct. 1990

Prof. Robert Marks
M.S. FT10
Dept. of Electrical Engineering
Univ. of Washington
Seattle, WA 98195

Dear Prof. Marks

As previously discussed in our telephone conversation (9/24/90), we are in the process of announcing the forthcoming meeting "Conference on Adaptive Materials and Adaptive Structures". This conference has across-the-board support from DoD agencies. This meeting has two main objectives. The first is to enable a healthy cross section of the core technologies that go into a "smart vehicle" (smart skins/smart structures) to be reviewed in one meeting so as to assist in cross-over technology and interaction. The second is to provide a venue where most of the key groups from industry, government agencies, and universities that are pursuing these technologies can interact. As part of this we hope to identify what are the technology problems and the future focus, what will be the drivers for the Air Force, DARPA, NASA, etc., and what these respective agencies funding plans will be.

Clearly the concerns of the IEEE Neural Networks Council are mainstream to the central focus of this meeting. I know that you are particularly concerned with the issues of this meeting. It would seem appropriate that the Neural Networks Council play a leading role in this conference and become a participating organization. Hopefully your committee would be a low level sponser and a high level organizer. Enclosed, for your reference, is a proposed copy of the call for papers. Your and the committee's assistance, suggestions, and support would be most appreciated.

Sincerely yours,

Gareth J. Knowles
General Chairperson
Conference on Adaptive Materials and Adaptive Structures

cc
Col. Bruce Holt

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Preliminary Announcement and Call for Papers

# CONFERENCE ON ADAPTIVE MATERIALS AND ADAPTIVE STRUCTURES

## OCT 16-18 1991
## CATHEDRAL HILL HOTEL
## SAN FRANCISCO

**General Chairperson**
GARETH J. KNOWLES
Grumman Corporation

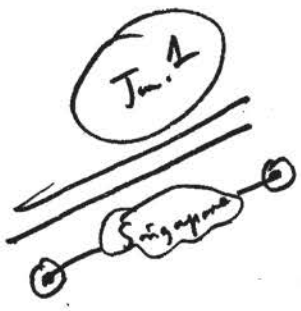
This meeting focuses on civil, strategic and tactical applications of recent and ongoing developments in advanced materials, smart sensors and actuators, embedded avionics, distributed processing, data analysis and artificial intelligence. The goal of the meeting is to bring together those professionals concerned with interrelated technologies which are integral to the development of smart vehicles. This may include applications to underwater vehicles, aircraft systems, smart munitions and space platforms. Unclassified papers are solicited that address applications issues arising from technology integration and total systems approaches, as well as developments in critical supporting technologies. Special reference will be given to the issues of integration requirements (mission, operation and functional performance). Special consideration will be given to prototypes and demonstrators, hardware integration, health monitoring systems, mission adaptation, and active/passive structural vibration suppression.

***Sponsoring Agencies*** (Preliminary list) :

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
ARMY RESEARCH OFFICE
ASTRONAUTICS LABATORY, EDWARDS AFB
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
LAWRENCE LIVERMORE NATIONAL LABORATORIES
NASA LANGLEY RESEARCH CENTER
OFFICE OF NAVAL RESEARCH
ROME AIR DEVELOPMENT CENTER
SANDIA NATIONAL LABORATORIES
STRATEGIC DEFENSE INITIATIVE OFFICE
WRIGHT RESEARCH & DEVELOPMENT CENTER,
WRIGHT-PATTERSON AFB

***Industrial Sponsors*** (Preliminary List) :

Grumman Corporation
General Dynamics
TRW
Lockheed
Northrop
Rockwell



***Participating Organizations*** (Preliminary List):
ASME AIAA IEEE SPIE

***In co-operation with*** (Preliminary List):
SAMPE SIAM

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**MATERIALS**
- **Composite Structures**
  - -Hybrid Structures
  - -Laminates
  - - Damage and Failure Analysis
  - -Testing
  - -Thermoplastics
  - -Composite Wings
  - -Thermal/Vacuum Curing Effects
  - -Fractional Factorial Design
  - -Solid Fraction
- **Composite Materials with Active Constituents**
  - -Micromechanics of Embedding
  - -Shape Memory Alloys
  - -Embedded Piezoceramics Actuators
  - -Piezoelectric Sensors
  - - Structural Integrity with Embedded Sensors

**SENSORS**
- **Passive Sensors (Health Monitoring, Vibration, Cure Cycle)**
  - -Fiber Optic Strain Gauges
  - -Acoustic Waveguide Sensors
  - -Polymeric Sensors
  - -Fiber-Optic Accelerometers
  - -Semiconductor Strain Gauges
  - -Thermocouples
  - -Coatings and Protection
  - -Sensor Connections
- **Active Sensors (Cracking& Embrittlement, Delamination, Relative Motion)**
  - -Ultrasound
  - -Eddy Current
  - -Thermographic
  - -Holographic
  - -Laser Techniques & Sensors
  - -Coatings and Protection

**CONTROLLED STRUCTURES TECHNOLOGY**
- **Finite-Element Analysis and Design Optimization**
  - -Identification and Modelling
  - -Model Reduction
  - -Free and Forced Vibration
  - -Collocated and Noncollocated Sensors and Actuators
- **Passive Damping (Viscoelastic, Piezoceramic, Thermoelastic)**
  - -Viscoelastic and Piezoceramic Damped Struts
  - -Tuned Piezoceramic Vibration Absorbers
  - -Passive Mounts
  - -Joint Design
  - -Shape Memory Alloys
  - -Thermoelastic Damping
  - -Magnetic Isolators
- **Active Damping & Control**
  - -Adaptive Struts
  - -Piezoceramic Actuators
  - -Magnetic Bearings
  - -Shape Memory Alloys
  - -Active Mounts
  - -Feedback Design
- **Passive/Active Damping**
  - -Viscoelastic Damping Elements
  - -Piezoceramic Models
  - -Multiple Constraint Optimization Procedures (Frequency, Damping , Deflection, Strength)

**DATA ANALYSIS, NETWORK ARCHITECTURE & ARTIFICIAL INTELLIGENCE**
- **Signal Conditioning**
  - -Sensor/Data Fusion
  - -Multiple Sensor Tracking
  - -Multiplexing
  - -Archiving
- **Distributed Networks**
  - -Distributed and Embedded Processors
  - -Neural Networks
  - -Microcomponents
- **Processing and Distribution**
  - -Optical Processors
  - -Mission Analysis
  - -Control Reconfiguration
  - -Crew Associates
  - -Survivability

## STEERING COMMITTEE:

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General Dynamics
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TRW Space & Electronics Division
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Northrop Corporation
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United Technologies Research Center
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Naval Research Laboratories
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Textron Aerostructures

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# TAB 12

## IJCNN Fall '95 - Australia

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2511582 OCT 90

***The University of Western Australia***

**Department of Electrical and Electronic Engineering**
Nedlands, Perth, Western Australia 6009
Facsimile (09) 380.1065
Email: yianni@swanee.uwa.oz
Telephone (09) 380

**Facsimile Message**

| | |
|---|---|
| To: | Dr Russell C Eberhart, Applied Physics Lab. |
| Fax No: | (301) 953.1093 |
| From: | Professor Yianni Attikiouzel |
| Date/Time: | 25 October 1990 |
| No. of pages: | 1 |

x 5037
2-208
CBP

It was nice to meet you again in San Diego during the IJCNN meeting. During our conversation I mentioned that I was very keen to organise the next IJCNN Conference here in Perth, Australia. I have contacted key personnel here in Australia that work in the area of ANN and will be delighted to form a local committee to organise the Conference. I wonder if you could provide me with a proforma and any other relevant information that I need to provide you so we can make a bid for the Conference. We are extremely keen to have it here in Australia.

Best wishes

Y Attikiouzel

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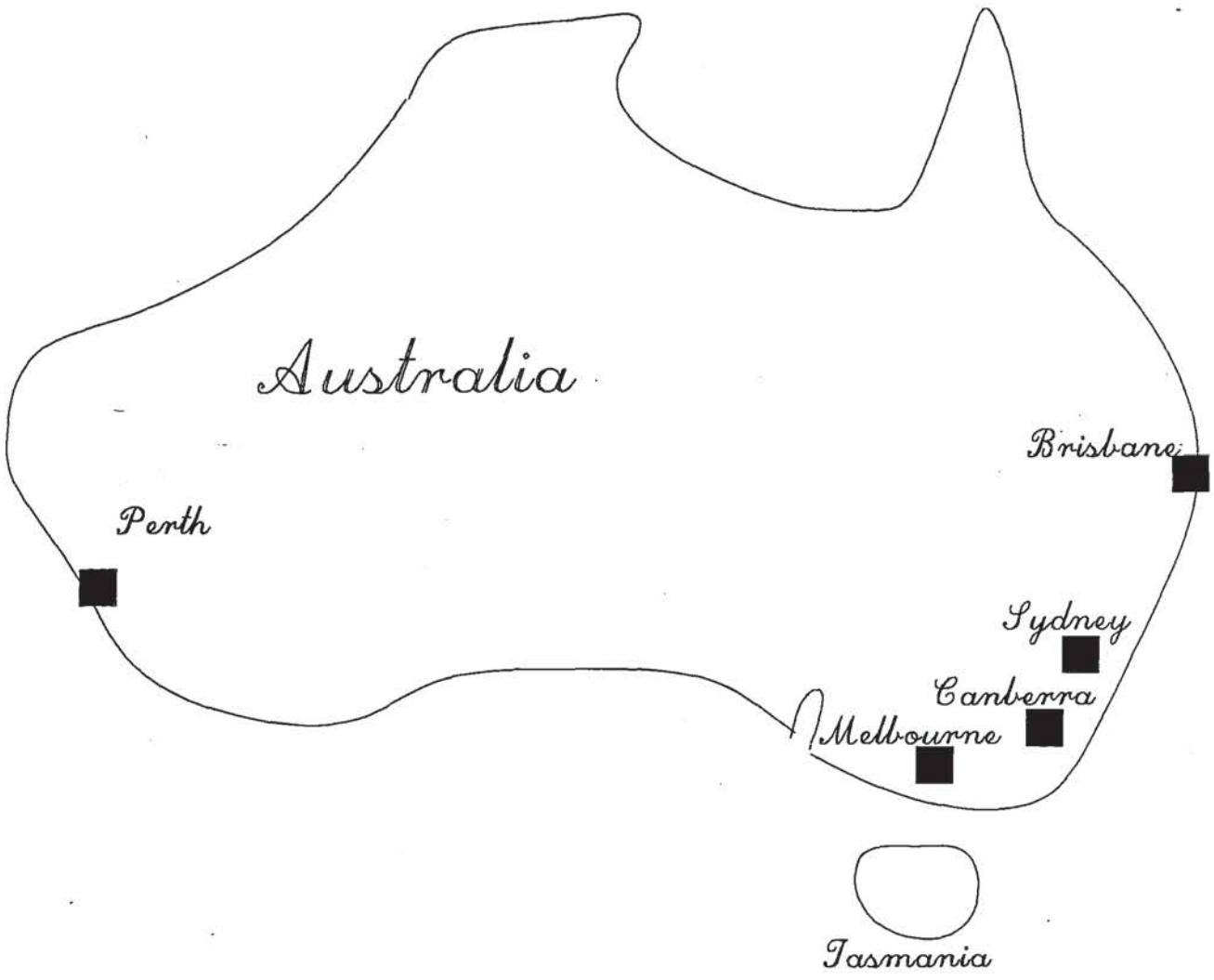


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From rcw101@barton.anu.edu.au Tue Dec 11 13:36:04 1990
Received: from anu.anu.edu.au by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA05880; Tue, 11 Dec 90 13:35:56 -0800
Received: by anu.anu.oz.au (5.57/1.0)
id AA17714; Wed, 12 Dec 90 08:32:54 EST
Posted-Date: Wed, 12 Dec 90 8:33:36 EST
Received: from fisher.anu.edu.au by barton.anu.edu.au (4.0/SMI-4.0)
id AA10614; Wed, 12 Dec 90 08:33:49 EST
From: rcw101@barton.anu.edu.au (Bob Williamson)
Message-Id: <9012112133.AA10614@barton.anu.edu.au>
Subject: Re: Australia IJCNN
To: marks@blake.u.washington.edu (Robert Marks)
Date: Wed, 12 Dec 90 8:33:36 EST
In-Reply-To: <9012110557.AA16620@blake.u.washington.edu>; from "Robert Marks" at Dec 10, 90 9:57 pm
X-Mailer: ELM [version 2.2 PL5]
Status: RO

Dear Bob,
I got your mail and I have already started contacting other researchers around the country. I aim to have a preliminary response to you in a matter of days. I have indicated to the people I have already contactred the lack of time available for this exercise.

I will be in touch again soon.

---

Bob Williamson, • Internet williams@syseng.anu.edu.au
Department of Systems Engineering, • Telephone (Direct) +61 62 49 2468
Research School of Physical Sciences, • Telephone (Office) +61 62 49 2461
Australian National University, • Facsimile +61 62 49 2698
GPO Box 4, Canberra, 2601, AUSTRALIA. •

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From lovell@s1.elec.uq.oz.au Wed Dec 12 15:12:57 1990
Received: from bunyip.cc.uq.oz.au by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA10163; Wed, 12 Dec 90 15:12:47 -0800
Received: from s1.elec.uq.oz.au by bunyip.cc.uq.oz.au id aa14219;
13 Dec 90 10:13 EST
Received: by c16.elec.uq.oz.au (4.0/SMI-4.0)
id AA03837; Thu, 13 Dec 90 10:11:55 EST
From: Brian Lovell <lovell@s1.elec.uq.oz.au>
Message-Id: <9012122312.AA03837@c16.elec.uq.oz.au>
Subject: Proposal for IJCNN in Brisbane
To: marks@blake.u.washington.edu
Date: Thu, 13 Dec 90 10:11:52 EST
X-Mailer: ELM [version 2.3 PL1]
Status: R

Bob Williamson said that you were interested in running an IJCNN in Australia in 1992. We would be very happy to run the conference in Brisbane. There is a very strong multidisciplinary group of researchers on this campus, I believe it is the largest in Australia. In our department we have Ah Chung Tsoi who has been working with ANNs for years. He has offered to run the conference and I have forwarded his reply. We also have Janet Wiles from the Psychology Department who is leading a large group. Both Ah Chung and Janet were at the recent NIPS conference in Denver. There is also a large group working on Neurobiology and ANN simulations in the Speech and Hearing research team.

We have organized several international and national conferences through the UNIQUEST organization on campus, so there should be no problem hosting a successful IJCNN. If you need any more information, I will be happy to supply it until Ah Chung comes back to Australia in January.

>
> Hi
> Got your fax.
> Yes. I will be very interested in running the IJCNN. I know that there was some talk about having it in Aust. I know also that Yianni has somehow bid for it, though I am not sure if they have decided to run it in Perth.
>From your fax, it is not sure if they wish us to run it in Brisbane or to help it to run in Perth. Either way I will be very interested to help.
> I think if we can swing it to Brisbane, it will be all the better. But if not we should be seen to be involved. And I will be very willing to help either way.
> I am glad that I do not need to come back home for the interview. I hope that it went well.
> My next stop is York. So if you like to write to me, you can write bill %ohm.york.uk.ac
>

---

Brian Lovell • INTERNET: lovell@s1.elec.uq.oz.au
Department of Electrical Engineering • PHONE: +61 7 3773474
University of Queensland • FAX: +61 7 3717027
St. Lucia, 4067 BRISBANE AUSTRALIA •

---

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From act@s1.elec.uq.oz.au Sun Jan 13 14:59:05 1991
Received: from bunyip.cc.uq.oz.au by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA07026; Sun, 13 Jan 91 14:58:57 -0800
Received: from s1.elec.uq.oz.au by bunyip.cc.uq.oz.au id aa06831;
14 Jan 91 9:59 EST
Received: by s2.elec.uq.oz.au (4.0/SMI-4.0)
id AA06954; Mon, 14 Jan 91 09:57:26 EST
Date: Mon, 14 Jan 91 09:57:26 EST
From: Ah Chung Tsoi <act@s1.elec.uq.oz.au>
Message-Id: <9101132257.AA06954@s2.elec.uq.oz.au>
To: marks@blake.u.washington.edu
Subject: IJCNN 92
Cc: lovell@s1.elec.uq.oz.au
Status: R

I understand that you have had some email correspondence with both Bob Williamson, and Brian Lovell on the possibility of having IJCNN 92 (Autumn) in Brisbane, Australia, while I was overseas myself.

We have had quite extensive experience in running conferences. I am the program chairman for the Aust Neural Network Conf 1991. I have also run a number of other conferences in the past. We will be very keen to host the conference here if possible.

Regards
Ah Chung Tsoi

---

Ah Chung Tsoi • INTERNET: act@s1.elec.uq.oz.au
Department of Electrical Engineering • PHONE: +61 7 365 3950
University of Queensland • FAX: +61 7 365 4999
St. Lucia, 4072 BRISBANE AUSTRALIA •

---

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From lovell@s1.elec.uq.oz.au Mon Jan 14 18:37:36 1991
Received: from bunyip.cc.uq.oz.au by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA09594; Mon, 14 Jan 91 18:37:29 -0800
Received: from s1.elec.uq.oz.au by bunyip.cc.uq.oz.au id aa02208;
15 Jan 91 13:37 EST
Received: by c16.elec.uq.oz.au (4.0/SMI-4.0)
id AA08692; Tue, 15 Jan 91 13:35:37 EST
From: Brian Lovell <lovell@s1.elec.uq.oz.au>
Message-Id: <9101150235.AA08692@c16.elec.uq.oz.au>
Subject: Re: IJCNN
To: Robert Marks <marks@blake.u.washington.edu>
Date: Tue, 15 Jan 91 13:35:32 EST
In-Reply-To: <9101150106.AA08223@blake.u.washington.edu>; from "Robert Marks"
at Jan 14, 91 5:06 pm
X-Mailer: ELM [version 2.3 PL1]
Status: R

>
>
> Greetings.
>
> The IJCNN Oversight Committee will be meeting on January 25th to decide the sight of future IJCNN's. I will be using your previous e-mail messages to me to make the case for Australia. Although 1992 is a possibility, the timing might be to close. I hope an IJCNN in 94 or 95 would also be acceptable to you.

> I will be contacting you after the meeting with more details.

> Best regards.

Thanks for the information. We would be interested in hosting the conference in 1994 or 1995 if the timing is tight for 1992. However we would prefer the 1992 conference if it can be arranged. Good Luck!

---

Brian Lovell • INTERNET: lovell@s1.elec.uq.oz.au
Department of Electrical Engineering • PHONE: +61 7 3654190
University of Queensland • FAX: +61 7 3654999
St. Lucia, 4067 BRISBANE AUSTRALIA •

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From act@s1.elec.uq.oz.au Sun Jan 13 14:59:05 1991
Received: from bunyip.cc.uq.oz.au by blake.u.washington.edu
(5.61/UW-NDC Revision: 2.1 ) id AA07026; Sun, 13 Jan 91 14:58:57 -0800
Received: from s1.elec.uq.oz.au by bunyip.cc.uq.oz.au id aa06831;
14 Jan 91 9:59 EST
Received: by s2.elec.uq.oz.au (4.0/SMI-4.0)
id AA06954; Mon, 14 Jan 91 09:57:26 EST
Date: Mon, 14 Jan 91 09:57:26 EST
From: Ah Chung Tsoi <act@s1.elec.uq.oz.au>
Message-Id: <9101132257.AA06954@s2.elec.uq.oz.au>
To: marks@blake.u.washington.edu
Subject: IJCNN 92
Cc: lovell@s1.elec.uq.oz.au
Status: R

I understand that you have had some email correspondence with both Bob Williamson, and Brian Lovell on the possibility of having IJCNN 92 (Autumn) in Brisbane, Australia, while I was overseas myself.

We have had quite extensive experience in running conferences. I am the program chairman for the Aust Neural Network Conf 1991. I have also run a number of other conferences in the past. We will be very keen to host the conference here if possible.

Regards
Ah Chung Tsoi

---

Ah Chung Tsoi • INTERNET: act@s1.elec.uq.oz.au
Department of Electrical Engineering • PHONE: +61 7 365 3950
University of Queensland • FAX: +61 7 365 4999
St. Lucia, 4072 BRISBANE AUSTRALIA •

---

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Mr. Bob Marks
President National Science
Foundation Int'l Neuralnet Society/I.E.E.E.
University of Washington, Department of Electronics
FT/10 Seatle
Washington, DC 98195

December 21, 1990

Dear Mr. Marks:

Thank you for your interest in the **Adelaide Convention Centre.** I am pleased to send you information on our services. The **Adelaide Convention Centre** in South Australia is Australia's premier site for international meetings and conventions.

Situated on the Torrens River in what is called the Adelaide Plaza, which includes a Casino, Festival Centre and the Hyatt Regency Adelaide. The **Adelaide Convention Centre** provides a multi-faceted, self-contained locale for meeting attendees, with the most up-to-date meeting facilities to ensure a successful meeting or convention.

- 9 meeting rooms
- 5 spacious auditoriums seating 50 to 3500
- Hidden catwalks for elaborate displays
- Transformable seat levels and room dividers
- State-of-the-art audio and visual equipment
- Teleconferencing via Satellite
- Heavy-duty loading facilities
- Professional gourmet catering, dining and
- 1100 first class international hotel rooms within walking distance

The city of Adelaide enchants tourists from all parts of the world with its peaceful streets and homey atmosphere. With a kangaroo's leap, travellers can reach Sydney or Melbourne as well as the many diverse natural wonders for which Australia is famous. A hike in the mountains, a wine tasting excursion in the vineyards, or a day at the beach are all quite accessible from Adelaide's convenient location. Most important, Adelaide's central business district is only 4 miles from the international and domestic airports.

Enclosed, please find a brochure that I am sure you will find interesting and informative. Should you have any further questions, please do not hesitate to contact Toni Blackman-Sales Manager, Gregory Jennings-Sales Manager or myself.

Best Regards,
Plo Toni Hewitt
Jacqueline Hewitt
Vice President Sales

MARKETING CHALLENGES INTERNATIONAL, INC.
10 East 21st Street, New York, N.Y. 10010
Telephone: (212) 529-8484 Fax: (212) 460-8287 Telex: 493 1792 MCIA UI

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# TAB 13

# IEEE NNC / INNS Agreement Status

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INFORMATION SYSTEMS LABORATORY
Department of Electrical Engineering
STANFORD UNIVERSITY Stanford, CA 94305-4055

BERNARD WIDROW
Professor of Electrical Engineering
(415) 723-4949

November 1, 1990

Professor Robert J. Marks, II
University of Washington
Electrical Engineering Department
Interactive Systems Design Lab.
Corner of Benson and Stevens
Seattle, WA 98195

Dear Bob:

I am pleased to inform you that at its meeting on October 9, 1990, the INNS Governing Board has approved the Basic Agreement between INNS and IEEE regarding the IJCNN conference series, and the Bylaws of the IOC. This approval includes the modifications suggested by you in your letter to me of August 22, 1990, and a minor modification to the Basic Agreement to the effect that the words "INNS Executive Committee" be replaced by "INNS Governing Board" everywhere in the text.

The Governing Board approved the establishment of a bank account for IJCNN-90-Seattle, to be done in accord with the Basic Agreement. This means that as soon as the account is established, an IEEE person should be chosen (probably Pat Simpson) to be one of the signatories on the account.

The INNS Governing Board approved Portland as the site for IJCNN-93-Portland, and approved the selection of George Lendaris as the Organizing Chair. Choice of the General Chair and the Program Chair will come later. (Incidentally, George Lendaris and Maureen Caudill are serving as co--Finance Chairs for the IJCNN-91-Seattle conference.)

The Board heard a progress report from Clifford Lau on the IJCNN-92-Baltimore Conference. Since this conference will be led by IEEE, much of the information is known to IEEE but not to INNS. The INNS Board was very pleased about being brought up to date on this conference. Such an exchange of information might be a good precedence, to keep Board and Ad Comm of the other society informed about planning and progress by inviting an oral presentation from the direct participants.

There was discussion at the Board meeting about holding an IJCNN conference in Europe, Eastern Europe, Greece, or Israel in the summer of 1992, and this was voted down emphatically. The reason was to avoid conflict with the large European meeting planned by JENNI.

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We need to do things in cooperation with our European colleagues, not in opposition. Sometime in the future, we may be able to do meetings jointly with JENNI, but the time is not right yet.

Instead of a conference in Europe in the summer of 1992, the Board discussed the possibility of holding the 1993 IJCNN in Japan during the summer of 1992. Fukushima seemed to think that his might work, and he said he will check into it. (I met Fukushima at a workshop at Rutgers on October 15, and he told me that the summer of 1992 would work very well for IJCNN in Japan, and that the Japanese would be very happy to have INNS as lead society and to do this cooperatively with two other Japanese societies.)

Since IEEE is lead for IJCNN-91-Singapore, it would make sense for INNS to be lead for an IJCNN-92-Japan. The INNS Board is agreeable to this. If for some reason the IEEE would like to be lead society for this meeting, I am sure that the INNS Board would be more than agreeable. However, in all of this, my feeling is that it's best to let the Japanese tell us how they would like the conference to run and let us not try to second guess them. This is most important when doing things in Japan.

If we want to continue with our original plan of having one IJCNN per year in the U.S. and one per year overseas, we will need to find some other locales outside the continental U.S. Possibilities might be Australia, Hawaii, and South America. Africa doesn't have much to offer, and Europe is off-limits for the moment. Eastern Europe might be good sometime in the future.

Best regards,

Bernie

Bernard Widrow

BW:jd

P.S. Enclosed is a xerox of a revised budget for Seattle prepared by Maureen Caudill. With 1250 attendees and a full-blown advertising budget, she shows a surplus of $77K.

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

11-19-90

Dr. Bernard Widrow, Chair
*IJCNN Oversight Committee* (IOC)
Department of Electrical Engineering
Durand 139
Stanford University
Stanford, CA 94305-4055

Dear Bernie,

As you know, the *IEEE Neural Networks Council* recently hosted a breakfast meeting in Tokyo in regard to the 1993 Japan IJCNN in Nagoya. Present were Fumio Harashima (1990 IEEE Secretary), Toshio Fukuda (NNC AdCom), Shiro Usui (NNC AdCom), Russ Eberhart (NNC VP), Shun-Ichi Amari (JNNS) and Kunihiko Fukushima (JNNS). Harashima, Fukuda, Usui, Amari and Fukushima had met the previous week and had agreed to the following Chair assignments in the 1993 Japan IJCNN:

| | |
|---|---|
| Fumio Harashima | (Advisory Board Chair) |
| Shun-Ichi Amari | (Organizing Committee Chair) |
| Toshio Fukuda | (Steering Committee Chair) |
| Kunihiko Fukushima | (Program Committee Chair) |
| 1992 NNC Treasurer | (Finance Committee Chair) |

Prof. Tsukada was proposed as the Tutorial Committee Chair and Prof. Uchikawa as the Chair of the Local Arrangements Committee. Publication and Publicity Chairs have yet to be named. In our meeting, the NNC pointed out the advisability of having an IEEE representative as co-Chair of the Program Committee. I was mentioned as a possible candidate.

All agreed that an even three way split of the conference surplus was acceptable. One third to the NNC, one third to the INNS and one third to Japanese sponsors including the JNNS and the Japanese Section of the IEEE.

Our position is that the Japan IJCNN should remain in 1993 as originally proposed by the IOC. The NNC is proceeding under this assumption and the proposals outlined in this letter are conditional on this assumption. Toshio Fukuda has made significant progress in making the arrangements for the 1993 conference. We believe that a focused effort on this conference by the NNC, JNNS, and INNS will result in a singularly outstanding international meeting in Japan.

We are also opposed to having a Japan IJCNN in 1992. It's position between the 1991 Singapore IJCNN and the 1993 IJCNN would have a negative impact on all of the conferences. The time is also quite short for planning a conference in 1992. The JNNS proposed that the JNNS and INNS have a 1992 Japanese conference. The NNC pointed out that the Agreement between the NNC and INNS prohibits such an arrangement without the involvement of the NNC.



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Kunihiko Fukushima suggested that remaining disagreements concerning the conference be brought before the IOC. I agree. I propose that you, as IOC Chair, urgently pursue a consensus recommendation from the IOC for the Autumn 1992 IJCNN that we can take to our respective Societies. Sharing the surplus of the IEEE lead 1992 Baltimore IJCNN is, of course, conditioned upon the holding of an autumn INNS lead IJCNN in 1992.

Sincerely,

– COPY –

Robert J. Marks II, President
*IEEE Council on Neural Networks*

cc: Roy Nutter, NNC Meetings Chair
Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Vice-President
Pat Simpson, NNC Treasurer
Fumio Harashima, IEEE Secretary
Souguil J.M. Ann, IEEE Asia-Pacific Region Director
Shun-Ichi Amari, JNNS
Toshio Fukuda, NNC
Kunihiko Fukushima, JNNS
Paul Werbos, INNS
Laura Jobmann, IEEE Conference Services

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# TAB 14

# Ad Hoc Newsletter Committee

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# FINANCIAL MOTIONS FOR IMPLEMENTING NEWSLETTER

**1ST:** NNC VOTES $5000 FOR FIRST ISSUE OF NEWSLETTER AND $5000 FOR SECOND ISSUE OF NEWSLETTER

**2ND:** NNC ALLOCATES EQUAL AMOUNT OF $10,000 TO TRANSACTIONS ACCOUNT

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# REPORT OF THE AD HOC NEWSLETTER COMMITTEE OF THE NNC

M. W. ROTH (CHAIR), H. RAUCH, AND T. FUKUDA

26 JANUARY 1991

IEEE NNC ADCOM MEETING
BALTIMORE, MARYLAND

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# OUTLINE OF REPORT

- BACKGROUND
- COMPARISON OF PUBLICATIONS
  - CONTENTS
  - COSTS
  - MANAGEMENT
- ISSUES
- CONCLUSIONS
- ORGANIZING MOTIONS
- PLAN
- FINANCIAL MOTIONS

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# BACKGROUND

- MANY IEEE SOCIETIES HAVE NEWSLETTER OR MAGAZINE
- SOME ADCOM MEMBERS HAVE EXPRESSED INTEREST IN NNC NEWSLETTER OR MAGAZINE APPEAR
- NEWSLETTER DISCUSSED AT 1/16/90 NNC ADCOM
  - PROPOSAL PRESENTED
  - NEED FOR RESOLUTION OF POTENTIAL CONFLICT WITH TRANSACTIONS IDENTIFIED
  - PUBLICATIONS CHAIR TASKED TO DIALOGUE WITH TRANSACTIONS EDITOR
- NEWSLETTER DISCUSSION TABLED AT 6/19/90 NNC ADCOM
- AD HOC NEWSLETTER COMMITTEE TASKED 12/7/90 TO DEVELOP NEWSLETTER/MAGAZINE PROPOSAL FOR PRESENTATION AT 1/26/91 NNC ADCOM

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# COMPARISON OF PUBLICATIONS - CONTENTS IEEE TRANSACTIONS ON NEURAL NETWORKS

- **CONTAINS**
  - FULL PAPERS
  - BRIEF PAPERS
  - LETTERS
    - TECHNICAL COMMENTS WHICH INCLUDE
      - WORKSHOP REPORTS
      - CONTENTS OF IEEE SPECIAL ISSUES ON NN
      - ANNOUNCEMENTS OF IEEE-RELATED NN MEETINGS
  - BOOK REVIEWS
  - BOOKS IN BRIEF
  - REPORTS OF NN COUNCIL (IN EDITORIAL SEPT. 1990)
  - AWARDS (EDITORIAL JANUARY 1991)
  - FULL-PAGE ANNOUNCEMENTS OF NNC-SPONSORED MEETINGS (MARCH, SEPT., DEC. 1990; JAN. 1991)

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# COMPARISON OF PUBLICATIONS - CONTENTS
# TYPICAL IEEE MAGAZINE

- **CONTAINS**
  - AT LEAST 32 PAGES FOUR TIMES PER YEAR
  - FEATURES
  - TECHNICAL OVERVIEWS
  - HISTORICAL ARTICLES
  - WORKSHOP SUMMARIES
  - DEPARTMENTS (SIMILAR TO NEWSLETTER)
    - NEWS: IEEE, SOCIETY, GOVERNMENT, TECHNICAL BRIEFS
    - CONFERENCE CALENDAR
    - SCANNING THE LITERATURE
    - BOOK REVIEWS AND BOOKS IN BRIEF
    - STUDENT CORNER
    - EMPLOYMENT POSITIONS AVAILABLE
    - PAPER AND THESIS ABSTRACTS
  - ADVERTISEMENTS

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# COMPARISON OF PUBLICATIONS - CONTENTS
# TYPICAL IEEE NEWSLETTER

- CONTAINS
  - 8-32 PAGES
  - DEPARTMENTS
    - NEWS: MEMBERSHIP, CONFERENCE, PEOPLE
    - PRESIDENTS COLUMN
    - COMMITTEE MEETING MINUTES/REPORT
    - CALL FOR PAPERS
    - CONFERENCE CALENDAR
    - STUDENT SECTION
    - BOOK REVIEWS AND BOOKS IN BRIEF
    - SCANNING THE LITERATURE
    - MEMORIALS
    - PAPER AND THESIS TITLES OR ABSTRACTS
    - CONFERENCE/WORKSHOP REVIEWS AND REPORTS
    - EMPLOYMENT POSITIONS AVAILABLE
    - OCCASIONAL ADS

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# COMPARISON OF PUBLICATIONS - COSTS

- **TRANSACTIONS**
  - $225 PER PAGE (1990 TRANS. NEURAL NETWORKS)
  - INCOME FROM SUBSCRIPTIONS, PAGE CHARGES, ETC. GENERALLY OFFSETS PAGE COSTS

- **MAGAZINE**
  - $385 PER PAGE (1989 CONTROL SYSTEMS MAGAZINE)
  - INCOME PARTIALLY OFFSETS PAGES COSTS
  - IEEE EXPERIENCE SHOWS ADS PAY SMALL FRACTION OF COSTS

- **NEWSLETTER**
  - $423 PER PAGE (SEPT. 1989 ROBOTICS & AUTOMATION NEWSLETTER)
  - ALMOST NO INCOME TO OFFSET PAGE COSTS
  - IEEE EXPERIENCE SHOWS ADS PAY VERY SMALL FRACTION OF COSTS

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# COMPARISON OF PUBLICATIONS - MANAGEMENT

- **TRANSACTIONS**
  - EDITOR
  - ASSOCIATE EDITORS
  - EDITORIAL BOARD
  - IEEE PUBLICATIONS
    - MANAGING EDITOR
    - EDITORIAL ASSISTANT

- **MAGAZINE**
  - EDITOR
  - ASSOCIATE EDITORS
  - EDITORIAL BOARD
  - IEEE PRODUCTION STAFF
    - MANAGING EDITOR
    - ADVERTISING SALES REPRESENTATIVE
    - EDITORIAL ASSISTANT

- **NEWSLETTER**
  - EDITOR
  - ASSOCIATE EDITORS/CONTRIBUTORS
  - IEEE PRODUCTION STAFF
    - MANAGING EDITOR

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# ISSUES

- **NEWSLETTER/MAGAZINE SHOULD NOT INTERFERE WITH TRANSACTIONS**
  - TRANSACTIONS IS NNC FLAGSHIP PUBLICATION
- **NEWSLETTER/MAGAZINE CONTENTS SHOULD NOT CONFLICT WITH TRANSACTIONS**
  - TRANSACTIONS ALREADY PUBLISHES MUCH OF TYPICAL CONTENTS OF NEWSLETTER/MAGAZINE
- **NEWSLETTER/MAGAZINE SHOULD NOT PLACE DRAIN ON NNC FINANCES**
- **NEWSLETTER AND TRANSACTIONS CAN PUBLICIZE VARIOUS ACTIVITIES OF NNC**

01. 16. 91 05:22 PM * APLJHU LAUREL

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# CONCLUSIONS

- SMALL NEWSLETTER WITH STRICTLY LIMITED SCOPE IS APPROPRIATE
  - MAGAZINE NOT APPROPRIATE
  - NEWSLETTER CAN AVOID OVERLAP WITH TRANSACTIONS
- NEWSLETTER SHOULD NOT BE SUBSIDIZED BY TRANSACTIONS
- NEWSLETTER CONTENTS SHOULD BE LIMITED
  - NEWS: MEMBERSHIP, CONFERENCE, PEOPLE
  - PRESIDENT'S COLUMN
  - NNC MEETING MINUTES/REPORT
  - CALL FOR PAPERS
  - CONFERENCE CALENDAR
  - STUDENT SECTION
  - OCCASIONAL ADS

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# DETAILED PLAN FOR NEWSLETTER

- FIRST ISSUE SHOULD BE SMALL (ABOUT 8 PAGES) AND COME OUT AS SOON AS POSSIBLE (BEFORE JUNE)
- SECOND ISSUE SHOULD COME OUT AFTER JUNE
- MEMBER OF EDITORIAL BOARD SHOULD ACT AS AD HOC EDITOR FOR FIRST ISSUE WITH PERMANENT EDITOR APPOINTED FOR LATER ISSUES
- NEWSLETTER SHOULD BE MAILED FREE TO NN TRANSACTIONS SUBSCRIBERS (ABOUT 8300)
- HALF-PAGE AND FULL-PAGE ADVERTISING SHOULD BE SOLICITED
- FOR 1992, FOUR ISSUES SHOULD BE PLANNED

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# DETAILED MOTIONS FOR ORGANIZING NEWSLETTER

**1ST:** NNC TREASURER SHOULD SET UP DISTINCT TRANSACTIONS ACCOUNT

**2ND:** NNC TREASURER SHOULD SET UP DISTINCT NEWSLETTER ACCOUNT

**3RD:** WHEN AMOUNT IS ADDED TO NEWSLETTER ACCOUNT, EQUAL AMOUNT SHOULD BE ADDED TO TRANSACTIONS ACCOUNT

**4TH:** TRANSACTIONS EDITOR SHOULD HAVE VETO POWER OVER NEWSLETTER BUDGET

**5TH:** NEWSLETTER SHOULD BE PUBLISHED BY IEEE STAFF

**6TH:** EDITORIAL BOARD SHOULD BE APPOINTED CONSISTING OF PUBLICATIONS CHAIR, TRANSACTIONS EDITOR AND TRANSACTIONS FOUNDING EDITOR

**7TH:** NEWSLETTER EDITOR SHOULD HAVE EDITORIAL RIGHTS COMPARABLE TO TRANSACTIONS EDITOR

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# TAB 15

## Standards Committee

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IEEE

## COUNCIL ON NEURAL NETWORKS

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

1-15-90

***Background:***

The Standards Committee of the Council is currently *ad hoc*. The current status and maturity of the field of neural networks warrents the recognition of this committee as a Standing Committee of the Council.

IEEE has assigned a liaison to NNC to assist in the development of this committee. This person is

John J. Woods
IEEE Standards Dept.
IEEE
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331
TELEX 833233
(201) 562-3825

***Motion:***

The Standards Committee be established as a Standing Committee of the Council.

Robert J. Marks II, President
*IEEE Council on Neural Networks*



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# TAB 16

## Meetings Committee Minutes

(DRAFT)

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**NNC Meetings Committee Minutes**
**11:30 Chicago Room**
**San Diego Marriott**

**Present**

Dr. Chen-Hu Sung, representing Singapore meeting
Dr. Robert Newcome, NNC Meetings Committee
Pat Simpson, IJCNN-90 San Diego Program Chair?
Walter Karplus, IJCNN-90 San Diego Conference Chair
Dr. Bob Marks, NNC Chairman
Dr. Teck Seng Low, IJCNN-91 Singapore
Dr. Roy Nutter, NNC Meeting Chair
Dr. Russ Eberhard

I. Introductions (Nutter)

II. Burk Fiasco - IEEE has been advised (Nutter)
Marks decided not to reimburse

III. IJCNN (89) Audit (Eberhard)
- Meetings Committee must oversee IEEE conference activity
- Nick DeKlaris has submitted a draft audit
- Koopers & Lybrand is proceeding with the audit

Recommendations:
- IEEE Guide to Conference Planning
- General Chair must have authority over his committee

IV. IJCNN-90 San Diego (Karplus)
- As of today ≈ 1500 attendees
- Tutorials not as well attended as before ≈ 850

V. Conflict of Interest (Tutorials 1990) (Marks)
- Tutorials for this conference saw self-promotion within a closed group

Recommendation:
- Future tutorials should be reviewed proposals from entire membership

VI. IEEE Conference in Great Britain Nov 18-20, 1991
- Conflicts with IJCNN-91 Singaport

Moved by Marks, seconded by Karplus:
- "We reject request for IEEE because of conflict with Singapore"

Action:
- Unanimously approved, Marks will write letter.

VII. Singapore (Low)
- Presentation by Dr. Low
- Dr. Low says that Singapore Section is willing to underwrite IJCNN initialization costs [Then they get all profits.]

Recommend:

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• NCC approve sharing risk and profits
    1/3 Singapore Section
    1/3 IEEE NNC
    1/3 INNS

Moved by Marks, seconded by Eberhard:
• Approve Dr. Low, Dr. Lau, Dr. Fukada as conference chairs for Singapore, Washington/Baltimore, Nagoya, Japan, respectively"
• Approved

VIII Schedule IJCNN's (see page 1)

IX. INNS (Marks)
• Future of INNS
    - Seems to be fragmenting into USA & JENNY (Europe)
    - Dr. Kohonen has resigned from Board of INNS
    - Current Transactions subscriptions
        ie INNS Trans = 2500 subscriptions
        IEEE Trans = 8000 subscriptions

Moved by Newcome, seconded by Eberhard:
• "The Meeting Committee will recommend to NNC meeting of 6/19/90 that the association between IEEE NNC and INNS be dissolved unless an IOC agreement is approved by both parties by July 18, 1990."
• Unanimously approved

X. NNC Forums and Tutorials
• Considerable revision was made to the proposed request for forum proposal.
• Marks will present the new version to NNC ADCOM

XI. Mailing Lists
• Naomi Feldman reported past participants, INNS, AI, IEEE selected Computer Society

Recommend:
• Use member society membership lists of NNC.

XII. Conference Management
• Coordination of other hotels, rates, local university dorm availability

Recommend:
• Program, publicity, exhibits chairmen should be people in the NN field

Recommend:
• Need written rules or guidelines
    - student fees for full-time students
    - invited speaker fees need coordinates [inconsistent among years]
    - do press get into tutorials at no cost?
    - do press get proceedings at no cost?
    - do exhibitors get full benefits of conference? what?
    - student fees reception? proceedings?
    - printing everything vs. abstracts only
    - fees for INNS and IEEE members need to be same

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- need IEEE membership booth at all conferences
- need PR recommendations for consistency at all conferences, i.e. scientific editors.
- conference professional administration should be paid flat fee plus incentive based on number of registrations plus number of exhibitors.
- accept credit cards

XIII Meeting adjourned at 5:30 pm.

by Roz Nutt-
IEEE NNC meetings chair

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# TAB 17

## ExCom Committee Minutes

(DRAFT)

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# Neural Networks Council Meeting Minutes
## ExCom Meeting 12/7/90

**NOTE: Because Evangelia Tzanakou, NNC Secretary, was unavailable for the meeting, Patrick K. Simpson agreed to record the minutes of the meeting.**

**The meeting was called to order at 2:10 pm PST.**

**Attendance:**

**With the exception of Evangelia Tzanakou, all of the members of the NNC ExCom were present. For a complete list, please refer to the front matter of the attached booklet.**

**Adoption of Agenda:**

**The following agenda was adopted for the meeting. This agenda was modified from the proposed agenda found in the front matter of the attached document.**

**Agenda**

- o Adoption of agenda
- o Approval of minutes
- o President's Report
  - - TAB Report
  - - Awards
  - - Future of NNC
  - - Fuzzy Conference
  - - Council Newsletter
- o Vice-President's Report
  - - Meetings focus
- o Transactions Editor's Report
  - - Page increase
- o Secretary's Report
- o Treasurer's Report
  - - IJCNN Seattle Budget
  - - Financial Status
- o Old Business
  - - Council Newsletter
  - - Japan IJCNN
  - - Next AdCom meeting
- o New Business
  - - Meetings
  - - Appointments
    - > TAB
    - > Standards Committee
    - > Nominations Committee
  - - TAB Strategic Plan
- o Summary of Action Items

**Approval of minutes:**

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The minutes of the EXCOM meeting of 9/25/90 were approved without correction. See TAB 1 of the attached document.

President's Report (Robert J. Marks II):

Item 1 - TAB Report. Dr. Marks highlights of the recent TAB Meeting in San Diego. Four items were of expressed interest:

a. Billing and Invoices will be changing within TAB. See TAB 2 of attached.

b. TAB is renewing interest in International meetings.

c. The award proposal presented at TAB was approved. See TAB 2 of attached.

d. The future of the NNC was discussed with several individuals during the course of the meeting and there was a strategy recommended by Dr. Marks that might be able to carry the NNC into a full Society. By encompassing several of the leading edge technologies such as genetic algorithms, evolutionary programming, computational learning theory, and fuzzy theory, it would be much easier to contend for Society status. As a result of this, Dr. Marks put forth the suggestion to have an large Fuzzy Conference in San Diego in 1992 as a means of fostering this move as well as instantiating this position within the IEEE. As a result of this suggestion, an ad hoc committee was created to present a full plan before the council at the next AdCom. The Fuzzy Conference Ad Hoc Committee consists of Patrick K. Simpson, Roy Nutter, Toshio Fukuda, Robert J. Marks II, and Russell Eberhart. This proposal was brought forth as a motion by Dr. Marks, seconded by Simpson, and passed unanimously in a vote.

Item 2 - Council Newsletter. A council newsletter was again brought forward by Dr. Marks. The mechanism for distribution was discussed at some length. It was eventually decided that the newsletter should be tightly coordinated with the Transactions Editor, and then the discussion was tabled until old business.

Vice President's Report (Russell C. Eberhart):

Item 1 - IJCNN90 Singapore. Drs. Eberhart and Marks recently visited Japan to discuss future IJCNN meetings with the country's leaders. In addition to Marks and Eberhart, those in attendance at the meeting included Toshio Fukuda (host), Shun-Ichi Amari, Kunohiko Fukushima, Shiro Usui, and Fumio Harashima (IEEE Secretary). The role of the Japanese in the Singapore and future Japan IJCNN conferences was discussed in detail. The end result was that the Singapore meeting is on track. Further discussion of the Japan IJCNN was tabled until Old Business.

Item 2 - Chinese Neural Network Conference. The NNC was asked to participate in a Chinese Neural Network conference. The invitation from the Chinese was encouraged by Irv Engleson (TAB Staff

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Director) as described in TAB 2 of the attached. It was approved by the ExCom for Dr. Eberhart to represent the NNC at this meeting that will be held in Beijing in December.

Secretary's Report (Evangelia Tsanakou):

No report presented. Dr. Tsanakou unable to attend.

Transactions on Neural Networks Editor's Report (Herb Rauch):

Item 1 - Page Increase. Dr. Rauch argued that the $45,000.00 surplus from the first year of the Transactions should be placed in reserve for the future years. The ExCom agreed. Dr. Rauch then presented a revised Transactions budget (see TAB 3 of attached) that would yield a modest $5,500.00 deficit for 1991. Dr. Rauch moved that the revised budget and increased page count be adopted. The motion passed unanimously. The new page count is now 640 pages.

Treasurer's Report (Patrick K. Simpson):

Item 1 - IJCNN90 Seattle Budget. A revised IJCNN90 budget was submitted to Mr. Simpson as a result of feedback from the ExCom to the INNS. The new budget still had a large marketing/publicity allocation, but Mr. Simpson emphasized that the increase would, at worst, realize only a break-even result. The added value of determining if extra money spent on publicity potentially yielding a larger audience coupled with the insistence by the INNS that the budget stand as presented led Mr. Simpson to move that the budget be accepted as presented. The motion passed unanimously.

Item 2 - Financial Status. The current financial status of the NNC was presented in a graph (see TAB 3 of the attached). The current holdings of the NNC are $380,000.00. The assets of the NNC have been accumulating at the rate of $18,600.00 per month.

Old Business:

Item 1 - Council Newsletter. The discussion of the newsletter that was started in the President's Report was resumed. The motion was made by Dr. Marks to have an Ad Hoc committee create a proposal that could be presented at the next AdCom. The motion passed unanimously. The Ad Hoc committee consists of Fukuda (publications chair), Rauch (Founding Transactions Editor), Marks (ex officio member), and Roth (Transactions Editor and Ad Hoc Committee chair).

Item 2 - Japan IJCNN. The meeting in Japan was opened for discussion again. TAB 5 of the attached describes the outcome of the meeting. As a result of this meeting, alternate meeting sites in Australia were considered and then tabled for discussion in future IOC meetings. The discussion finally resulted in the following carefully worded motion by Eberhart, "Motion by Eberhart to reconfirm support of the 1993 IJCNN in Nagoya Japan and the IEEE NNC would not support any other Japanese Conference with 20 months of the 1993 Conference." Motion passed unanimously with a

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recommendation that Marks forward this decision to the INNS.

Item 3 - Next AdCom Meeting. Because of several items that were being brought forth in the discussions, it was felt that a full NNC AdCom meeting should be held to involve all the voting members. Topics include: Fuzzy Conference, Newsletter, Forum proposals, Future IJCNN Conferences, and standing committee reports. After a long discussion it was agree to hold the AdCom in Baltimore on January 26, 1991. The motion was made by Marks and seconded by Roth. Motion passed unanimously. Roth and Eberhart, will host. Nomi Feldman will coordinate arrangements.

**New Business:**

Item 1 - Participation in future meetings. Nutter presented a list of several meetings that the NNC was asked to participate in (see TAB 6 of the attached). The following meetings were approved unanimously:

- Adaptive Materials and Adaptive Structures Meeting
- Auburn University Neural Network Workshop

The PICA conference was discussed and then tabled until a later date. More information was needed to make a decision.

Item 2 - Appointments. There were several appointments available to IEEE committees that Dr. Marks presented (see TAB 7 of the attached). Those that were approved by the ExCom included:

- J. Patrick Reilly, IEEE USA Technology Policy Council
- Robert J. Marks II, Nominations committee for next election

Item 3 - TAB Strategy Plan. TAB presented a strategic plan to the member societies and asked for a list of prioritized input. Dr. Marks agreed to provide this input and submit it back to TAB.

Item 4 - Summary of Action Items. The following action items were a result of this meeting.

- o Dr. Marks will write a letter concerning the NNC's position on the Japan IJCNN conferences.
- o Mr. Simpson will prepare these minutes for distribution at the next AdCom meeting.
- o The standing and Ad Hoc committees each need to prepare reports for the next AdCom meeting.

**Adjournment:**

The meeting was adjourned at 3:50 pm PST.

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# TAB 18

# IEEE NNC / INNS IJCNN Agreement

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# Agreement

between the

***IEEE Neural Networks Council***

and the

***International Neural Network Society***

In the interest of promoting research, development and education in the area of Neural Networks, the IEEE Neural Networks Council (NNC) and the International Neural Network Society (INNS) agree to jointly sponsor international meetings, known hereafter as the *International Joint Conferences on Neural Networks* (IJCNN) equally sharing the risk and the surplus of the conferences.

1) This document becomes effective upon signature of the Presidents of the two organizations and supersedes the agreement of 11/29/88.
2) Each conference shall be titled the International Joint Conference on Neural Networks (IJCNN).
3) Primary responsibility for operation of each conference shall alternate between the two organizations. The organization with responsibility for a particular conference shall be known as the "lead society."
4) The lead society shall appoint the General Chair with the advice and consent of the President of the other organization. The lead society guarantees the other society complete access to the financial records of the Conference at any time.
5) Both organizations may organize and operate membership booths in conjunction with registration. Organization publications may be sold at these booths.
6) At the meeting sight, Proceedings of the joint conferences will be sold to members of either organization at the member's rate. The conference committee should establish a mechanism for post-conference sales. The lead society will be responsible for post conference sales of proceedings.
7) Copyrights to the conference proceedings will be controlled by and at the discretion of the lead society.
8) Exhibits are encouraged as an integral part of the conferences. The conference committee (defined in paragraph 15 below) will be responsible for establishing an exhibits program in coordination with members of the vendor community.
9) Speakers (except for tutorial speakers) are not compensated for their presentations. Plenary speakers will normally have their travel expenses paid. In addition, the General ,Chair(s), the Program Chair(s), and the Finance Chair(s) can have their travel expenses paid. The Conference Committee will set specific arrangements in accordance with the policies of both INNS and IEEE. Compensation for tutorial speakers shall be consistent with the policies of IEEE and INNS. Invited speakers may have their travel expenses paid. The number of invited speakers who have their expenses paid should in no case exceed 1% of the best estimate of the number of conference registrations. All other expenses reimbursements are excluded unless specifically covered by a line item in the approved conference budget. Registration fees for keynote and plenary speakers are waived. Registration fees for all persons whose travel expenses are reimbursed by the conference will be at the student rate.
10) Registration fees will be determined by the conference committee and submitted to the sponsoring organizations as part of the conference budget. Significant fluctuations in fees for contiguous meetings are discouraged. The conference registration fees for members of the sponsoring societies will be set less than for other attendees.

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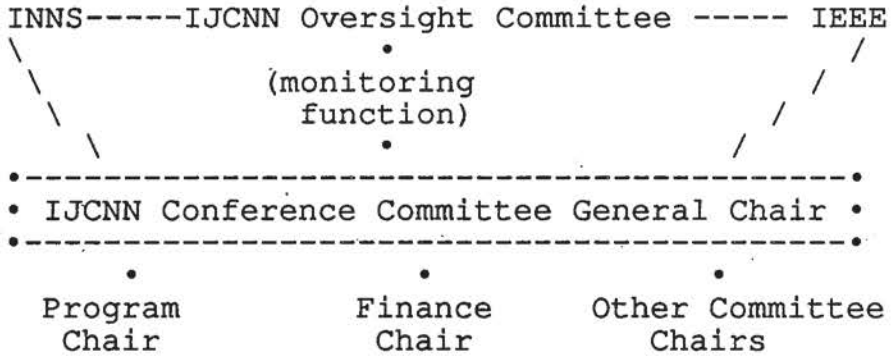
11) All expenses associated with the conference will be included in the conference budget which must be approved by both organizations. It is the responsibility of the conference committee to enforce adherence to the budget.
12) A preliminary budget will be submitted by the lead society to the Oversight Committee (as defined in paragraph 13 below) and the other organization approximately two years in advance beginning with the 1992 meetings. An operating budget will be similarly submitted approximately one year in advance. It must be approved, disapproved, or approved with modifications, within 90 days after receipt, or it is approved as submitted.
13) There shall be an Oversight Committee (hereinafter referred to as "IOC") consisting of not more than 5 people, appointed by the IEEE NNC, and not more than 5 people appointed by the INNS Governing Board. The President of the IEEE Neural Networks Council and the President of the International Neural Networks Society will serve as ex officio members of the IOC. No IOC member will serve on the organizing committee (defined in paragraph 15 below). The IJCNN Oversight Committee shall serve to ensure adherence to this Agreement and to mediate any disagreements in accordance with the IOC By-Laws. If a disagreement cannot be resolved by the IOC, the matter will be referred to the NNC and the INNS Governing Board. The following diagram specifies the organizational structure:




14) This agreement can be canceled upon written notification of either organization to the President of the other organization. The President of the INNS and the President of the NNC shall have the responsibility of settling any unfinished business already inititated as a result of this document. In the event of dissolution, each society shall honor its previously approved budgets. Upon cancellation, both organizations agree to not use the conference name "International Joint Conference on Neural Networks" or the initials "IJCNN." The NNC reserves the exclusive right to use the conference name "International Conference on Neural Networks". The INNS reserves the exclusive right to use the conference name "INNS Annual Meeting." Both organizations will refrain from sponsoring other major activities in the field of artificial neural networks within one month of each IJCNN. Both Socieites must agree to cooperate on involvement in any major neural network conference activites held within 30 days of an IJCNN. Both organizations will share equally in any conference surplus. If a conference loses money, both organizations will equally share in the cost.
15) The IJCNN Conference Organizing Committee (herein referred to as "Organizing Committee" or "Conference Committee") shall consist of at least a General Chair, a Program Chair, and a Finance Chair, all of which chairs are chosen by the lead society, with the General Chair to be selected with the advice and consent of the President of the other participating Society. The General Chair has primary responsibility for all aspects of the meeting and is accountable to the lead society (AdCom of the NNC; Executive Committee of the INNS) with respect to the discharge of that responsibility. It is the responsibility of the President of the lead

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society to ensure that the General Chair is made aware of all relevant guidelines for the conference, including financial reimbursements. The General Chair shall appoint, may dismiss and is ultimately responsible for the duties of the other members of the Organizing Committee. The Program Chair is responsible for the technical program, including preparation of the Call for Papers, speaker invitations, review/referee procedures, session organization, etc., subject to IOC guidelines. This person should assemble and preside over the Program Committee. The Finance Chair is responsible for all of the financial aspects of the meeting including approving expenditures, seeing that the correct financial records are maintained, seeing that the approved registration fees are charged, preparing the final report, etc.. The primary aim of the Finance Chair should be to stay within the approved budget: note that the approved budget may not be the same as that submitted, since the sponsors might request changes. The General Chair may appoint other chairs as required, and will in all matters follow the guidelines contained in the latest version of the IEEE Conference Organization Manual. The President of the NNC shall appoint one representative to the IJCNN organizing committee for those conferences in which the INNS is the lead society. The INNS President shall appoint one representative to the IJCNN organizing committee for those conferences in which the NNC is the lead society.

16) A preliminary internal audit will be presented to the IOC and both orgainzations not more than 90 days after the close of the conference. A final audit and financial report is due 180 days after the close of the conference. Copies of this audit are to be presented to the IOC and the organizations. If there is a surplus, it shall be distributed evenly between the two organizations by the conference finance chair. Either organization can order an external audit of the conference by a nationally prominent accounting firm. In such cases, the audit cost will be paid from any conference surplus.
17) There will be at least four signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, the President of the INNS, and a financial staff person from IEEE Headquarters. Any one signature will be sufficient to authorize checks of $10,000 or less. Any two signatures will be required for amounts greater than $10,000.
18) Policies of both IEEE and INNS with regard to running of conferences will be adhered to.

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# By-Laws for the IOC

The "agreement between the IEEE Neural Network Council and the International Neural Network Society" will be hereafter referred to as the Agreement. These By-Laws are by-laws for the Agreement. Amendments to these By-Laws must be approved by the IOC and both Societies.

## *Article I*

*Rules of Order*

Section 1. In all matters not covered by the Agreement and By-Laws, the IOC shall be governed by the latest edition of Robert's Rules of Order.

## *Article II*

*Management and Officers*

Section 1. The officers of the IOC shall be the IOC Chair and Chair Elect. The officers shall serve for two calendar years, one year as Chair elect and one year as Chair. The IOC will be Chaired in odd years by an NNC appointee to the IOC and will be Chaired in even years by an INNS appointee. Both Officers will be appointed by the Society which they represent.

Section 2. If an officer must be absent from a meeting, he/she will designate a temporary pro tem replacement who is a representative of the same Society. The replacement must be an IOC member.

Section 3. If an IOC member will be absent from an IOC meeting, the member's society may appoint an alternate and inform the IOC officers in writing at least two weeks in advance of the meeting.

## *Article III*

*IOC Meetings*

Section 1. The Chair shall announce to the members of the IOC all meetings of the IOC at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. The Chair Elect shall be responsible for the minutes and attendance list of IOC meetings.

Section 3. Meetings of the IOC may be cancelled only by consent of a majority of all the members of the IOC not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given to all IOC members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 4. Unless otherwise specified, all motions placed before the IOC must be approved by a majority vote of the NNC appointees to the IOC and a separate majority vote of the INNS appointees to the IOC. If either the NNC or INNS vote does not receive a majority vote of their respective IOC appointees, the motion is defeated.

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## *Article IV*

*IOC Responsibilities*

Section 1. The IOC shall recommend the times and locations of IJCNN conferences.

Section 2. The IOC shall have the power to establish procedures whereby proposals from potential conference locations can be considered.

Section 3. The IOC shall oversee all IJCNNs in order to assure adherence to the policies and procedures of the organization which they represent. This includes, but is not limited to, assuring that audits are performed on conferences that are acceptable to both Societies.

Section 4. The IOC shall have the power to present to the Societies proposals for other IJCNNs. This includes proposals for participation of other organizations as IJCNN sponsors and their corresponding program and financial commitments. With exception to the conferences cited in Section 1, no conference will be called The International Joint Conference on Neural Networks or use the initials IJCNN, without the approval of both Societies.

Section 5. The IOC may bring before the Societies any recommendation for action not covered in the Agreement or By-Laws. Any deviation from this agreement must be approved by both Societies.

## *Article V*

*Society Responsibilities*

Section 1. The IOC shall be governed in accordance to the Constitution and Bylaws of the Institute of Electrical and Electronics Engineers (IEEE), the Constitution, Bylaws and the Charter of the IEEE Neural Networks Council (NNC) and the Bylaws of the International Neural Networks Society (INNS).

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# TAB 19

# NNC Constitution and Bylaws

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# CONSTITUTION AND BYLAWS

# FOR THE IEEE COUNCIL ON NEURAL NETWORKS

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# CONSTITUTION

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# CONSTITUTION FOR THE

# IEEE COUNCIL ON NEURAL NETWORKS

## ARTICLE I

## NAME AND PURPOSE

Section 1. The name of the organization constituted herein shall be the IEEE Council on Neural Networks.

Section 2. The purpose of the Council is to advance and coordinate work in the field of Neural Networks carried out throughout the IEEE and as such is exclusively scientific, literary and educational in character. In furtherance of the foregoing, the Council may publish appropriate periodicals, sponsor IEEE Neural Networks related conferences and conference sessions, sponsor IEEE Press publications, and engage in any other activity within its field of interest. All such actions must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, with special attention to such aims within the field of interest of the Council as are hereinafter defined.

## ARTICLE II

## FIELD OF INTEREST

Section 1. The field of interest of the Council and its activities and programs shall consist of aspects of the theory, design, and applications of neural networks that range from software to hardware. Changes to the field of interest may be made with approval of the IEEE Technical Activities Board.

## ARTICLE III

## MEMBERSHIP OF THE COUNCIL

Section 1. The Council shall be composed of IEEE Societies which have demonstrated a strong interest in Neural Networks and are supporting technical activities in the field. These Societies must agree to share the responsibility for all obligations of the Council, including those financial, in accordance with this Constitution and the Council Bylaws.

Section 2. Each new Member Society must be approved by a two-thirds affirmative vote of the voting members of the Council AdCom, and by the IEEE Technical Activities Board before it may join the Council.

Section 3. If a Member Society does not have any representative present at any of the Council AdCom meetings held during a calendar year and is inactive in Council affairs, the Member Society may be dropped from Council membership. Notice of such proposed action shall be given to the President of the delinquent Society at least twenty days before the Council

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AdCom meeting where such action will be considered. Such action must be approved by two-thirds of the AdCom members present and voting and by the IEEE Technical Activities Board before it becomes final.

Section 4. The officers of the Council shall be as follows: President, Vice-President, Secretary, and Treasurer.

Section 5. Council business will be conducted by its AdCom which will include both voting and non-voting members. The voting members will be:

a. Two representatives to be appointed by each Member Society.

b. The President, Vice-President, Secretary and Treasurer

c. The most recent available immediate past President of the Council.

An individual may not serve concurrently as both a Council officer and a Council Member Society representative. When a Member Society representative is elected to a Council office, the Council office shall take precedence over the Society appointment, and any resulting vacancy(s) shall be filled promptly by the appropriate Society.

Section 6. Each representative and officer on the Council must be an IEEE member.

Section 7. The term of office of a Member Society representative on the Council shall be two years with each of the two Society representatives appointed by the Society in alternate years. No Society representative shall be eligible to serve more than four consecutive years. An unexpired term filled for more than six months shall count as a full year. Reappointment after the completion of any term of four consecutive years may be made only after a lapse of at least one year.

Section 8. When a within-term Council representative vacancy occurs, the Council President shall request the appropriate Society to appoint a representative to complete the unexpired term.

Section 9. The non-voting ex-officio members of the Council AdCom will be:

a. The Director of the Division in which the Council resides.

b. The TAB Staff Secretary.

c. The General Manager of IEEE.

d. The IEEE Vice-President for Technical Activities.

Section 10. Any other IEEE Society which is not a member of the Council may send a non-voting liaison representative to attend for the purpose of establishing lines of communication between the Council and the parent Society represented.

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## ARTICLE IV

## ELECTION AND APPOINTMENT OF OFFICERS

Section 1. Every year, the voting members of the Council AdCom shall elect a President, Vice-President, Secretary and Treasurer at the Annual Meeting. The officers shall serve for one year. No person shall be eligible to serve more than two consecutive one year terms for the same office.

Section 2. Officers shall be elected and appointed in accordance with the rules specified in the Council Bylaws.

Section 3. If the Office of President becomes vacant, the Vice-President shall become President for the remainder of the term assumed. If the office of Vice-President, Secretary or Treasurer becomes vacant, the voting members of the Council AdCom shall elect a new officer promptly.

## ARTICLE V

## POWERS, PRIVILEGES, AND DUTIES

Section 1. It shall be the duty of each representative of a Member Society to participate in matters before the Council AdCom and to keep the Administrative Committee of the Society represented informed concerning Council business. Members of any Member Society AdCom may attend any open meeting of the Council as observers.

Section 2. The duties and responsibilities of the officers and members of the Council AdCom shall be as defined hereunder and in the Bylaws, and as further delineated by the Council.

Section 3. The President shall appoint for a term concurrent with his presidency, the Editors of Council's Periodicals and the Chairpersons of the standing committees of the Council as specified in the bylaws on or before January 1st of the year in which he takes office as President. All appointments shall be made with the advice and consent of the Council AdCom. The Editor and Chairperson appointments need not be made from among the individuals who are on the Council AdCom as Society representatives.

Section 4. The Council President, under the direction of Council AdCom, shall call all regular, annual, and special Council AdCom meetings and shall preside over them. The President shall coordinate and supervise activities of the Council and have such other powers and perform such other duties as may be provided for in the Council Constitution or Bylaws or as may be delegated to the President by vote of the Council AdCom. Included in the President's duties shall be the responsibility to see that the orders and resolutions of the Council, the IEEE Technical Activities Board, the IEEE Executive Committee, and the IEEE Board of Directors are carried out. The President shall be an *ex-officio* member of all standing and special committees of the Council except the Nominating Committee. The President can vote during the election of officers. The President shall also be an *ex-officio* member of the IEEE Technical Activities Board, and, when notified of a meeting of said Board, shall ensure representation of the Council.

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Section 5. Standing committees may be established as needed. With the advice and consent of the Council AdCom, the President shall appoint committee officers (and members, if such action is not specifically delegated in the establishment action of the Council) and shall fill any vacancies that occur during the year.

Individuals appointed as committee officers or members shall serve a nominal term of one year but shall continue to serve until their successors are appointed or the committee is dissolved, except where other terms are specifically designated by the Constitution or Bylaws.

The President may appoint *ad hoc* committees for special assignments as needed.

Section 6. The Vice-President shall assist the President in fulfilling all assigned duties, and shall assume the duties and have the power, privileges, and responsibilities of the President during the latter's absence or incapacity.

Section 7. The Secretary shall be responsible for all reports, petitions and records concerning the Council, keeping true and faithful minutes of all meetings of the Council AdCom, and shall prepare such reports as may be required by the Council, the IEEE Technical Activities Board, or the IEEE Executive Committee. The Secretary shall send out notices when instructed to do so by the President or in accordance with requirements of the Council Constitution or Bylaws. Copies of all meeting notices, minutes of meetings, and letter or bulletins sent and received during the previous two years shall be kept by the Secretary, except for those specifically assigned to the custody of others, and the Secretary shall send current copies to IEEE Headquarters for archival storage.

In the absence or incapacity of the President and Vice-President, the Secretary shall perform the duties of the President and have all Presidential powers, privileges, and responsibilities during the absence or incapacity of the President and Vice-President.

Section 8. The Treasurer shall propose a budget for Council operation to be endorsed by Council AdCom and approved by TAB and shall monitor expenditures to verify that they are in accordance with the approved budget. The Treasurer shall prepare financial reports as requested by the Council President, and shall keep the Treasurers of the Member Societies informed on Council financial matters affecting their budgets. The Council Treasurer shall approve the Conference budgets after they are approved by the Meetings Committee prior to being forwarded to IEEE Headquarters for review and final approval.

The Treasurer may utilize the services of IEEE headquarters as bursar for all or part of the Council funds, as provided by the IEEE Bylaws and Statements of Policy. If any parts of the Council funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to Council Bylaws and any other limitations imposed by the Council. Disbursements shall be made on the signature or instructions of the Treasurer. If the Treasurer is disabled or unable to serve, the President may make disbursements during his incapacity.

Section 9. The President, elected and appointed officers shall normally assume office on January 1st or as soon thereafter as practicable.

Section 10. The officially constituted officers of the Council shall have the sole authority to obligate the funds and assets of the Council to promote the Council's activities, provided that no Council officer or representative shall have authority to contract debts for, pledge the credit of, or in any way bind the IEEE for activities prohibited by the Bylaws of the IEEE or the Constitution and Bylaws of the Council.

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Section 11. No officer of the Council, representative on Council AdCom, or Editor shall receive, directly or indirectly, any honorarium, traveling expenses, compensation, or emolument from the Council as an officer or in any other capacity unless authorized by Council AdCom or by the Bylaws of the Council in a manner in conformity with IEEE policies and procedures.

## ARTICLE VI

## FINANCIAL SUPPORT & EXPENDITURES

Section 1. The financial support for the Council shall be derived from subscription sales of Council Publications, any surplus from the Conferences organized or sponsored by the Council, other programs and products sponsored by the Council, and allocations of funds provided by the Member Societies.

Section 2. The Council may raise revenues by other means provided such means are consistent with applicable IEEE rules and regulations and are within the approved Council field of interest. The Council must receive an opinion from the General Manager of the IEEE that any revenue means not explicitly covered by IEEE Statements of Policy does not conflict with IEEE policy before being adopted by the Council.

Section 3. Monies held by or for the Council legally belong to the IEEE, and shall not be expended for activities prohibited by the Constitution, Bylaws and Statements of Policy of the Institute, the Constitution and Bylaws of the Council, or any other purposes known to be inimical to the interests of the IEEE. Returns from investment of Council funds shall be credited to the Council.

## ARTICLE VII

## COUNCIL MEETINGS

Section 1. The Council shall hold an Annual Meeting. Additional meetings of the Council, represented by its AdCom, may be held at such times as are found necessary or convenient. Meetings of the Council AdCom may be called at the discretion of the Council President or upon request by at least four AdCom members. The time, place and agenda shall be announced to all members of the Council AdCom at least twenty days in advance of the meeting, or by first-class mail to the address of record of each Council AdCom Member at least twenty-five days in advance of the meeting.

Section 2. The Annual meeting of the Council shall normally be the last AdCom meeting of the year held at a time and place designated by the President.

Section 3. One-third of the voting members of the Council AdCom, which must include representatives from at least one-third of the Member Societies, shall constitute a quorum. Written proxies will not be accepted in determining the quorum. The Chairperson of the Publications Committee, and the Chairperson of the Meetings Committee, the Secretary, and the Treasurer shall be *ex-officio* members of the Council with a vote on all matters except election of officers and changes to the Constitution and Bylaws. If the offices of Secretary and Treasurer are combined, there shall be one vote by the officer.

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Section 4. If a regular representative from a Member Society is unable to attend a meeting of the Council AdCom, the President of the Member Society may designate an alternate by a letter of proxy, who shall have all the powers of the regular representative. Officers of the Council may not delegate their powers by proxy.

Section 5. Business of the Council may be transacted by correspondence, or other telecommunication means where in the opinion of the President matters requiring action can be adequately handled in that manner. All voting members of the Council should be informed on such interim actions, and a majority of the entire Council must be reached for ratification of the actions, if balloting is necessary, unless otherwise provided by the Constitution or Bylaws.

Section 6. If less than a quorum is in attendance at duly called meetings, tentative actions may be taken that will become effective upon subsequent ratification, either at a subsequent meeting or by mail, as specified in Section 5 above.

## ARTICLE VIII

## PUBLICATIONS

Section 1. All Council publication activities shall be subject to IEEE policies, and to any further guidance or controls prescribed by the Council AdCom or its duly appointed committees.

Section 2. The Council may publish appropriate Periodicals in accordance with IEEE Policies and Procedures. Selection of the published material shall be in accordance with the objectives and policies of IEEE and the Council.

Section 3. The Council President, with the advice and consent of the Council AdCom, shall appoint the Editors who shall in turn appoint associate and/or guest editors as may be required to implement the publications program.

## ARTICLE IX

## CONFERENCES AND TECHNICAL MEETINGS

Section 1. All Council conferences and technical meeting activities shall be subject to IEEE policies, and to any further guidance or controls prescribed by the Council or its duly-appointed committees.

Section 2. The Council shall determine the time and location of each sponsored Conference and technical meeting. Furthermore, the Council shall not be bound by any agreements, within or without IEEE, made prior to ratification of this Constitution.

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## ARTICLE X

## RECALL

Section 1. If at any time during the year and for any reason the best interests of the Council seem to require a change in Member Society representatives or officers, the matter shall be discussed at a regular or a special meeting of the Council AdCom called for the purpose of considering and voting upon the recommended change. At least twenty days before the Council AdCom meeting, notice of such proposed action shall be given to all appropriately interested individuals, including the President and Secretary of each Member Society involved and the Chairman and Secretary of the IEEE Technical Activities Board.

Section 2. An affirmative vote of two-thirds of the voting members of the Council AdCom shall be necessary to declare a vacancy for cause.

For the purposes of this Section, an abstention shall be counted as a cast negative vote.

## ARTICLE XI

## AMENDMENTS

Section 1. Sections of this Constitution may be adopted or amended by action of the Council at a regular or special meeting if the following provisions are met:

a. Notice of the meeting and of the proposed change(s) must be mailed by first-class mail to the last-known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

b. A two-thirds affirmative vote of the votes cast by the members of the Council AdCom is required for passage.

c. An amendment may be approved by a mail ballot if at least a thirty-day period is provided for responses, and two-thirds of the entire Council AdCom votes affirmatively.

d. The Amendment shall become effective immediately after ratification by the IEEE Technical Activities Board.

Section 2. Bylaws to this Constitution may be adopted or amended by a two-thirds affirmative vote of the votes cast by the Council AdCom at a regular or special meeting, provided that notice of the meeting and a copy of the proposed change(s) is mailed by first-class mail to the last known address of each member of the Council AdCom at least twenty-five days prior to such meeting.

A Bylaw may also be adopted or amended by a mail ballot provided that a copy of the proposed change(s) is mailed to the last known address of each member of Council AdCom, at least thirty days are allowed for a reply, and a majority of the entire Council AdCom votes affirmatively.

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The new Bylaw or Amendment shall be filed with the Secretary of the IEEE Technical Activities Board at least twenty days prior to the effective date.

Section 3. The Constitution, Bylaws, and Statements of Policy of the IEEE shall, at all times, take precedence over those of the Council.

Section 4. All amendments to the Constitution or Bylaws shall become effective immediately after all required approvals have been obtained, unless a later date has been specified at the time of the vote.

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Constitution Adopted November 17, 1989

To Be Effective January 1, 1990

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# BYLAWS

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# BYLAWS FOR THE

# IEEE COUNCIL ON NEURAL NETWORKS

These Bylaws provide detailed guidance for the supervision and management of Council affairs, in accordance with the Council Constitution. Amendments or additions may be made by means of the procedures described in Article XI, Section 2, of the Constitution.

## ARTICLE I

## RULES OF ORDER

Section 1. In all matters not covered by the Constitution, Bylaws, and Rules, the Council shall be governed by the latest edition of Robert's Rules of Order.

## ARTICLE II

## MEMBER SOCIETIES

Section 1. The Member Societies of the Council shall be those formally admitted by the IEEE Technical Activities Board in accordance with the Council Constitution. A current listing of Member Societies will be maintained by the TAB Secretary at IEEE Headquarters.

Section 2. Any Member Society unwilling or unable to continue to share responsibilities as defined in the Council Constitution may resign from the Council. When a letter of resignation has been received by the Council Secretary, the resigning Society shall be dropped from the Council roll at the end of the calendar year. Any former Member Society may later rejoin, without prejudice, on the same basis as any new applicant.

## ARTICLE III

## NOMINATIONS, ELECTIONS, AND APPOINTMENTS

Section 1. The Nominating Committee, which is a Standing Committee of the Council, shall consist of a Chairperson and three other members. At least one shall not be a current Council member but shall belong to at least one Member Society. The officers of the Council may not serve on the Nominating Committee nor be members *ex-officio*.

Section 2. The Chairperson of the Nominating Committee shall consult with each candidate prior to nomination to determine willingness to serve if elected.

Section 3. The Nominating Committee shall be guided in its selections by the principles of efficiency, geographical distribution, past history, and technical interest.

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Section 4. The Chairperson of the Nominating Committee shall submit the Committee Report to the Council AdCom at the beginning of its Annual Meeting, or with the approval of the Council President, by letter to all qualified voting officers and representatives on the Council AdCom prior to the Annual Meeting. From the floor of the same meeting or by letters mailed to the entire Council AdCom, the officers and representatives may make additional nominations.

Section 5. The names of any candidates of the Council who are not eligible under the Constitution or Bylaws shall be withdrawn by the President of the Council.

Section 6. Election of the officers, whenever a vacancy exists, shall be from those nominates as specified in these Bylaws, Article III, Sections 2, 3, 4, and 5. Elections shall be by secret ballot of the voting members of the Council AdCom. For the first year of operation of the Council, the officers must be elected by secret ballot directly by the Council AdCom. Nominations must be made by the voting AdCom members.

Section 7. If any Council office becomes vacant at any time during the year, and if the vacant office cannot be filled by logical succession of an existing Council officer as described in the Constitution and Bylaws, the Council will promptly hold an election to fill the existing vacancy. As needed, elections shall be held separately for the offices of President, Vice-President in that order. To be elected, a nominee must receive a majority of the proper votes cast. If no candidate receives a majority on a ballot, the name of the candidate receiving the smallest vote shall be withdrawn and a second ballot taken. This procedure shall be repeated until one candidate receives a majority vote.

The Council AdCom may hold contingent elections to be effective if an elected officer fails to accept office, is disapproved by IEEE Headquarters because there has been some irregularity in the nominations and election procedures, or has failed to maintain IEEE membership and Society membership.

Section 8. The President of the Council shall inform each successful candidate of his election and shall arrange for the transfer of responsibility. The name of each elected officer shall be reported to the Chairman and Secretary of the IEEE Technical Activities Board.

## ARTICLE IV

## STANDING COMMITTEES

Section 1. The Standing Committees shall include the following:

Meetings Committee
Publications Committee
Nominating Committee
Constitution and Bylaws Committee

Section 2. The Council may establish such additional Standing Committees as may be deemed desirable.

Section 3. Each Standing Committee shall have the power to create subcommittees of its own selection.

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Section 4. The organization of each Conference or Technical Meeting sponsored by the Council shall include a Steering Committee and a Program Committee whose Chairperson shall be appointed by the President upon the recommendation of the Meetings Committee and with the advice and consent of the Council AdCom. The individual members of the respective committees should be appointed by the above officials. The Meetings Committee, with approval of the Council, may plan, organize and sponsor other activities held in conjunction with Conferences of other societies.

Section 5. The Publications Committee shall establish publication policy subject to annual review by the Council. It shall assist the appropriate Editors of Council Periodicals in the choice of special topics and in guiding and planning all Publications.

Editors may designate associate editors, special guest editors, and manuscript reviewers, doing so in accordance with general IEEE statements of Policy.

Editorial expenses must be in accordance with an annual budget approved by the Council. Editors may authorize publication expenses, but shall be responsible for adherence to the publication budget.

Section 6. The Nominating Committee shall be appointed by the President of the Council in accordance with the provisions of the Constitution and Article III, Section 1, of these Bylaws. It shall have the duties described in Article III, Sections 1, 2, 3, 4, of these Bylaws. the Chairperson of the Nominating Committee shall be the Past President of the Council.

Section 7. The Secretary of the Council shall serve as the Chairperson of the Constitution and Bylaws Committee. Additional members may be appointed by the President upon request of the Council's AdCom.

The functions of the Constitution and Bylaws Committee will be to:

a. Maintain up-to-date copies of the Constitution and Bylaws and make them available upon request.

b. Ascertain that the Constitution and Bylaws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution or Bylaws as necessary to conform to the development of the Council or to changes by IEEE Headquarters.

d. The Chairperson of the Constitution and Bylaws Committee shall serve as Parliamentarian and Consultant on Procedural matters at meetings of the Council AdCom.

## ARTICLE V

## FINANCES

Section 1. The Treasurer shall submit a proposed Council budget for the ensuing year in accordance with IEEE budget development guidelines. When approved by the Council and the TAB, this budget shall become the working budget for the following year. This approved budget will constitute authorization to the Treasurer to disburse the funds in amounts not to exceed any budgeted item.

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The Treasurer shall be responsible for forwarding to IEEE Headquarters the approved budget, and Headquarters will be thereby authorized to disburse the funds in accordance with instructions from the Treasurer.

The Treasurer shall obtain a financial statement of receipts, expenditures, and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all members of the Council AdCom. The treasurer shall also keep a running account of commitments to date.

Section 2. The financial support for the Council shall be derived from the income from sales of the Council Periodicals, Books and IEEE Press publications, and from its share of any surplus from the Council sponsored Conferences. The Periodicals subscription prices to members of the Council Member Societies shall be set to be no less than self-sustaining.

Section 3. In the event of a distribution of surplus, or payment of a deficit, during the first year of publication of a Council periodical, each Council Member Society shall receive or pay an equal share.

Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years of publication of a Council periodical, each Council Member Society shall receive or pay a share according to the ratio of the number of its members who subscribe to the periodicals as of September 30th. For the purpose of determining this ratio, an individual who belongs to more than one Council Member Society shall be counted in each one. Any surplus from the Council sponsored Conferences that has been distributed to the Council may be used for operating expenses, but no other assessment may be made on the Conferences.

Section 5. The Treasurer of Council sponsored Conferences is authorized to open an account in the Conference's name, to be used for the deposit and disbursement of funds related to the Conference. The Council shall be advised of the name of the bank, the anticipated size of the account, the names of the account, signatories and of arrangements for insurance and bonding, all of which must be in accordance with IEEE policies and procedures.

## ARTICLE VI

## COUNCIL MEETINGS

Section 1. The Secretary shall announce to the members of the Council AdCom all Chairpersons of Standing and Special Committees and appropriate guests of the time, place, and agenda of all meetings of the Council AdCom at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. A roll call shall be made at the beginning of each Council AdCom meeting. The Secretary shall record the names of those present and announce whether a quorum exists.

Section 3. The Secretary shall transmit in writing within ten days of their adoption all motions, directives, or orders of the Council to the persons affected. The secretary shall transmit a copy of the minutes of the Council AdCom to the officers, members of the Council AdCom, Chairpersons of the Standing and Special Committees, and to the Secretary of the IEEE Technical Activities Board within thirty days of the meeting. As soon after January 1st as practicable, the Secretary shall provide a directory listing the names and address of all of the above-mentioned people to each person named therein.

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Section 4. The Chairpersons of all Standing Committees who are not voting members of AdCom shall be invited to attend all meetings of the Council AdCom as guests and advisors.

Section 5. Meetings of the Council AdCom may be cancelled only by consent of a majority of all the members of the Council not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given all Council AdCom members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 6. Meetings of the Council AdCom may be held at international or regional technical meetings or conventions of the IEEE, jointly with a Section, separately, or jointly with another society, whenever such a meeting is deemed desirable by the Council.

Bylaws adopted Friday, November 17, 1989.

To be effective January 1, 1990

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## AMENDMENTS

The following amendment of the Bylaws of the IEEE Council on Neural Networks was approved by the Council AdCom, November, 1990:

Replace the entire text of ARTICLE V, Section 4, of the Bylaws with

ARTICLE V Section 4. In the event of a distribution of surplus, or payment of a deficit, during the second and subsequent years, each member Society's share will be proportional to the number of years that Society has been a member of the IEEE Neural Network Council (founded 1990) and/or member of the IEEE Neural Networks Committee (founded 1987 and dissolved 1989).

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# TAB 20

# NNC AdCom Members

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January 16, 1991

# IEEE Council on Neural Networks: AdCom Members

## OFFICERS (1990-91)

**President**

Robert J. Marks II
Interactive Systems Design Laboratory
Department of Electrical Engineering, FT-10
University of Washington
Seattle, WA 98195
(206) 543-6990
marks@blake.u.washington.edu

**Vice President**

Russell Eberhart
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, MD 20707
(301) 953-5037
(301) 953-1093 (FAX)
rce1@aplvm.bitnet

**Secretary**

Evangelia Micheli-Tzanakou
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, NJ 08854
(201) 932-2037
etzanako@elbereth.rutgers.edu
FAX:(201)932-5313

**Treasurer**

Patrick K. Simpson
*General Dynamics, Electronics Division*
17436 Ashburton Rd,
San Diego, CA 92128
(619) 573-2417 (W)
(619) 573 7400 FAX

## IEEE Transactions on Neural Networks

***Editor-in Chief***

Michael W. Roth (1991)
*Johns Hopkins University*
Applied Physics Laboratory
Laurel, MD 20707
(301) 792-6543
mwr@aplcomm.jhuapl.edu
FAX: (301) 953-1093

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# STANDING COMMITTEES (1991)

## Awards Committee

Bradley Dickinson, Chair
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
bradley@ivy.princeton.edu
(609)258 -4644
FAX: (609) 258-3745

## Constitution and Bylaws Committee

Evangelia Tzanakou, Chair
Biomedical Engineering
Rutgers University
P.O. Box 909
Piscataway, NJ 08854
(201) 932-2037
etzanako@elbereth.rutgers.edu
FAX:(201)932-5313

## Meetings Committee

Roy S. Nutter, Jr. Chair (1990-91)
West Virginia University
821 Electrical Engineering
P.O. Box 6101
Morgantown, WV 26506
(304) 293-6371, ext 510
rsn@a.coe.wvu.wvnet.edu
FAX: (304) 293 5024

Walter Karplus (1991-92)
3732 Boelter Hall
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(213) 825-2929
FAX (213) 825-2273

Don E. Brown (1991-92)
Dept. of Systems Engineering
University of Virginia
Charlottesville, VA 22903-
(804) 924-5393
deb@virginia.bitnet

## Publications Committee

Toshio Fukuda, Chair
Nagoya University
Department of Mechanical Engineering
Furo-Cho, Chikusa-Ku
Nagoya, Japan
(052) 781-5111, Ex. 4478, 3301
FAX: (052) 781-9243
d43131a@nucc.nagoya-u.ac.jp

## Nominating Committee

H. Vincent Poor
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
(609) 258 1816
FAX: (609) 258-3745
poor@ivy.princeton.edu

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## IEEE Society Members

### Circuits and Systems

Robert W. Newcomb (1990-91)
Mirosystems Laboratory
Electrical Engineering Dept.
University of Maryland
College Park, MD
FAX (301) 454-1837
301-454-6869 (O)
301-454-8830 (Lab)

(vacant)

### Communications

Stamatios Kartalopoulos (1990-91)
AT&T Bell Laboratories
1 Whippany Rd.
Whippany, New Jersey 07981
(201) 386-4289
FAX: (201) 386-6346.

Kesh Bakhru (1991-92)
Cubic Corporation
9333 Balboa Avenue
San Diego, CA 92123
(619) 277-6780, ext. 2648

### Control Systems

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Herbert E. Rauch (1991-92)
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Dept. 92-20, Bldg. 254E
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Palo Alto, CA 94304
(415) 424-2704
FAX: (415) 424-3115

### Engineering in Medicine and Biology

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Physiological Engineering Lab
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usui%tut.ac.jp@relay.cs.net
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Rehabilitation R&D Center
Hines VA Hospital
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**Industry Applications Society**

Roy S. Nutter, Jr. (1990-91)
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FAX: (304) 293 5024
rsn@a.coe.wvu.wvnet.edu

George E. Cook (1991-92)
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**Industrial Electronics**

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FAX: (052) 781-9243
d43131a@nucc.nagoya-u.ac.jp

(vacant)

**Information Theory**

Edward C. Posner (1990-91)
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FAX: (818) 568-8670

(vacant)

**Lasers and Electro-Optics**

Kristina Johnson (1990-91)
Dept. of EE & CS
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kris@boulder.colorado.edu

Nabil H. Farhat
Moore School of Eng.
University of Pennsylvania, D-2
33rd and Walnut Sts.
Philadelphia, PA 19104
215 898 5882
farhat@pender.ee.upenn.edu

**Oceanic Engineering Society**

Richard Trueblood (1990-91)
*Oricon Corporation*
9363 Towne Centre Dr.
San Diego, CA 92121

(vacant)

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IEEE

**COUNCIL ON NEURAL NETWORKS**

Robert J. Marks II
**President**

PLEASE REPLY TO:
University of Washington
Dept. of Electrical Engineering, FT-10
Seattle, WA 98195 USA
Tel.: (206) 543-6990
Fax: (206) 543-3840
marks@blake.acs.washington.edu

3-26-91

Dear NNC AdCom Members:

Greetings!

A great deal is happening in the Council. First, some

## ANNOUNCEMENTS

### ♦ AdCom

The AdCom and related meetings of the *Neural Networks Council* will be held at the Seattle IJCNN in the *Washington State Convention & Trade Center*. The Center is located in downtown Seattle and is the sight for the Seattle IJCNN. The meeting room locations will be announced in the mailing you will be receiving at the end of June.

| | | |
|---|---|---|
| Sunday, July 7, 1991 | | |
| 2-5 PM | IJCNN Oversight Committee | Roy Nutter, Chair |
| 2-5 PM | NNC Awards Committee | Brad Dickinson, Chair |
| 6-9 PM | NNC Standards Committee | Walter Karplus, Chair |
| 6-9 PM | NNC Meetings Committee | Roy Nutter, Chair |
| 6-9 PM | NNC Publications Committee | Toshio Fukuda, Chair |
| Monday, July 8, 1991 | | |
| 9 AM - 4PM | NNC AdCom* | Bob Marks, President |

### ♦ Officer Nominations

Nominations for Council Officers for 1992 should be sent to

H. Vincent Poor, Chair
*Neural Networks Council Nominating Committee*
Dept. of Electrical Engineering
Princeton University
Princeton, NJ 08544
(609) 258 1816
FAX: (609) 258-3745
poor@ivy.princeton.edu

(cont.)

* We will recess for a light lunch. Hopefully, we will finish well before 4:00.



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The four elected officers of the Council are President, Vice President, Treasurer and Secretary. All nominations must be seconded. According to our Constitution ...

'The voting members will be:

a. Two representatives to be appointed by each Member Society.
b. The President, Vice-President, Secretary and Treasurer
c. The most recent available immediate past President of the Council.'

Only AdCom members are eligible to nominate and second nominations. Officer elections will be conducted by written ballot at our Seattle AdCom meeting.

### ♦ Hard Copy Submissions for AdCom

I will be mailing copies of material related to the Council AdCom and Standing Committee meetings to you in late June. Any material you wish included in this mailing (*e.g.* officer reports, standing committee reports and motions) must by in my hands by Thursday, June 20.

## SOME UPDATES & INFORMATION ITEMS

### ♦ Standards Committee

As you know, the Council established the Standards Committee as a Standing Committee of the Council at our last AdCom. I'm delighted to inform you what Walter Karplus has accepted the Chair of this Committee. Queries concerning the Committee should be addressed to him at

Walter Karplus
3732 Boelter Hall
UCLA
Los Angeles, California 90024
(213) 825-2929
FAX (213) 825-2273
karplus@cs.ucla.edu

### ♦ New AdCom Members

Since we last met, the following AdCom members have been appointed by their member Societies.

**Circuits and Systems**
Edgar Sanchez-Sinencio (1991-92)
Dept. of Electrical Engineering
Texas A&M University
College Station, Texas 77843
(409) 845 7498, FAX (409) 845 7161

**Information Theory**
Anthony Kuh (1991-92)
University of Hawaii at Manoa
Honolulu, HI 96822

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♦ Dissolution Agreement

At our last AdCom, the Council voted to dissolve our Agreement with the INNS in 1992. In the Agreement, the Council empowered the President to resolve all unfinished business initiated by the Agreement. With the advise and consent of the Council ExCom, I have crafted and forwarded to the INNS a Dissolution Agreement. The deadline for ratification has been extended to April 15, 1991. The INNS Governing Board meets a few days prior to this. Paul Werbos, the INNS President, has told me that he feels comfortable presenting the draft to the Board.

If you would like a copy of the Dissolution Agreement draft, please let me know.

♦ Newsletter

The first issue of the Council Newsletter is scheduled to be mailed in May.

I look forward to seeing you in sunny Seattle!

Sincerely,

Robert J. Marks II, President
*IEEE Council on Neural Networks*

| | | |
|---|---|---|
| cc: | H. Vincent Poor | Division X Director |
| | Karen Haines | ISSNNet |
| | *Conference Chairs:* | |
| | Teck Seng Low, | IJCNN Singapore '91 Chair |
| | Clifford Lau, | IJCNN Baltimore '92 Chair |
| | Zong Sha, | IJCNN China '92 Chair |
| | James Bezdek | Fuzz-IEEE '92 Chair |
| | George Lendaris | IJCNN Portland '93 Chair |
| | Roz Snyder | Newsletter Managing Editor |
| | Nomi Feldman | Meetings Management |
| | *Awards Committee Members* | |
| | Moshe Kam | |
| | Jacek Zurada | |

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CALL FOR PAPERS

IASTED

# IASTED International Symposium

# MACHINE LEARNING

## AND

# NEURAL NETWORKS

**October 10-12, 1990**
**New York, U.S.A.**

CALL FOR PAPERS

## SPONSOR

The International Association of Science and Technology for Development - IASTED.
Technical Committee on Artificial Intelligence and Neural Networks.

## LOCATION

New York Penta Hotel

## SCOPE

The purpose of this symposium is to act as a forum for the presentation and discussion of new results in the areas of machine learning and neural networks. Plenary and regular sessions are planned. Topics to be covered include:

**THEORY**
- Modelling
- Simulation
- Architecture
- Software
- Design tools
- Learning
- Knowledge processing
- Self-organization
- Cognitive models
- Neural models
- Control
- Optimization
- Electrical neurocomputers
- Optical neurocomputers
- Neuromolecular computing
- Biological systems
- Interfacing
- Associative memories

**APPLICATIONS**
- Pattern recognition
- Signal processing
- Speech
- Communication
- Vision
- Robotics
- Diagnostic
- Manufacturing
- Education
- Control
- Cardiology
- Bioengineering
- Business
- Others

## SUBMISSION OF PAPERS

One original and two copies are to be received by **May 1, 1990** for review by the Program Committee. The papers must be typed double-spaced and should not exceed six pages in length including figures. The charge for extra pages is $50 per page. Papers must be submitted on 8.5"x11" paper with 1" margin on all four sides. Centered at the top of the first page should be the title, the author name(s), affiliation(s) and mailing address. An abstract should be provided of maximum length 200 words. An introduction should be given, also a conclusions section. In an accompanying letter, the name, address, telephone and fax numbers of the corresponding authors should be given, also a list of key-words indicating the area of the paper (see scope).

Authors will be notified by **June 15, 1990** concerning the acceptance of their papers and shall receive registration information and special sheets for the preparation of the final versions of their papers.

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## AIMS AND SCOPE

Rapid advancement in robotics in recent years has brought on accelerated industrial automation and manufacturing technology improvements.

The goal of this journal is to provide a forum for the presentation of significant results on all aspects of the theory, design, implementation, and evaluation of robotics and automation.

An official publication of the International Association of Science and Technology for Development (IASTED), the International Journal of Robotics and Automation is intended to bring together researchers and engineers in academia, industry and government. The journal will benefit all those with an interest in advancing the state of the art of robot components and robot systems.

The scope of this journal is broad and multi-disciplinary. It covers modelling, simulation, dynamics, design, control, sensory systems, computer vision, speech recognition and synthesis, pattern and object recognition, image processing, automated manufacturing, safety, reliability, economics, social policies, and applications in all fields.

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## ISMM International Conference

# PARALLEL AND DISTRIBUTED COMPUTING, AND SYSTEMS

**October 10 - 12, 1990**
**New York, U.S.A.**

**SPONSOR**

The International Society for Mini and Microcomputers-ISMM.
Technical Committee on Computers.

**LOCATION**

New York Penta Hotel.

**SCOPE**

- Architecture
- VLSI
- Software
- Language
- Compilers
- Algorithms
- Analysis
- Design
- Intelligent and knowledge-based systems
- Expert systems
- Software engineering
- Scheduling
- Partitioning
- Communication
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- Reliability
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- Supercomputing
- Neural networks
- Optical computing
- Others
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| | |
|---|---|
| Three copies of manuscript for regular papers (maximum ten pages) | **April 2, 1990** |
| Three copies of 300 word abstract for short papers (maximum five pages) | **April 2, 1990** |
| Notification | **May 10, 1990** |
| Papers are in camera-ready form together with pre-registration | **July 1, 1990** |

Expanded papers for a special issue on distributed and parallel systems are to be sent directly to the Editor , Dr. B. Furht, Modcomp, 1650 West McNab Road, P.O. Box 6099, Mail Stop 850, Ft. Lauderdale, FL. 33340-6099, U.S.A.

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IASTED

# CALL FOR PAPERS

## Sixth IASTED International Conference

# EXPERT SYSTEMS AND NEURAL NETWORKS

## Theory & Applications

**August 15-17, 1990**
**Honolulu, Hawaii**

### SPONSOR

The International Association of Science and Technology for Development - IASTED
Technical Committee on Expert Systems and Artificial Intelligence
Technical Committee on Computers

### LOCATION

Sheraton Waikiki Hotel, Honolulu, Hawaii

### SCOPE

**EXPERT SYSTEMS**

- Knowledge acquisition and representation
- Expert systems design procedures and tools
- Hardware
- Software
- Languages
- Algorithms
- Logic programming
- Advisory systems
- Validation
- User interface
- Planning
- Implementation
- Testing
- Maintenance
- Learning
- Adaptation
- Capabilities and limitations
- Case studies
- Expert systems for microcomputers
- Applications (all areas)

**NEURAL NETWORKS**

- Theory of neural networks
- Modelling
- Simulation
- Architecture
- Tools for design and evaluation
- Learning algorithms
- Knowledge processing
- Self-organization
- Control
- Optimization
- Electrical neurocomputers
- Optical neurocomputers
- Pattern recognition
- Signal processing
- Speech
- Communication
- Vision
- Neurobiological systems
- Robotics
- Diagnostics
- Others

### ABSTRACTS

Three copies of extended abstracts (maximum 500 words) are to be submitted by **April 2, 1990** for review by the International Program Committee. Notification will be mailed by **May 1, 1990**. The complete papers are due at the conference for publication in the proceedings. Requests for tutorials are to be received by **April 2, 1990**.

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Attendance 1600 5. Exhibits ☒ Yes ☐ No

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**A APPLICATION**

1 Image processing :
Mr FUKUSHIMA (2 sessions)
Mr OJA

2 Signal processing : Mr BOUNDS

3 Speech processing : Mr BOURLARD

4 Robotics : Mr BARHEN

5 Optimization : Mr SUNG

6 Classification - Decision - Prediction : Ms FOGELMAN

7 Control and Expert systems applications :
Mr WIDROW

**B IMPLEMENTATION**

1 Neurobiological models :
Mr BIENENSTOCK (2 sessions)
Mr KRYUKOV

2 Cognitive Science : Mr ECKMILLER

3 Electronic neurocomputers : Mr MEAD

4 Optical neurocomputers : Mr PSALTIS

5 Implementation of neural network algorithms on parallel hardware :
Mr ALEKSANDER

6 Network definition languages and development environment :
Mr TRELEAVEN

7 Benchmarking :

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C THEORY

1 Supervised learning :
Mr LE CUN (2 sessions)
Mr BORGES DE ALMEIDA

2 Unsupervised learning : Mr GROSSBERG

3 Associative memories : Mr ANDERSON

4 Architectures :

5 Analysis of network dynamics : Mr VON DER MALSBURG

6 Statistics and probabilities : Mr AMARI

D COMMERCIAL

1 EEC projects : Mr LAUTURE

2 Governement subsidized projects : Mr BUTTNER

3 Commercial products for developing neural network applications :
Mr ELSAUM (2 sessions)
Mr COOPER

4 Commercial products using neural network technology :
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5 High technology and deregulation in Europe 1992 : Mr ANGENIOL

6 Company strategies : Mr JACKEL

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(201) 562- 3878

February 1, 1990

Dr. Teck Seng Low
Faculty of Engineering
National University of Singapore
10 Kent Ridge Crescent, 0511
SINGAPORE

RE: 1991 International Neural Networks Conference - Singapore
Conference #2641

Dear Dr. Low:

Congratulations! We are pleased to hear of your conference plans. To assist you with your conference planning and reporting responsibilities, we are enclosing a package of conference material to be distributed among your conference committee. It is recommended that you check the attached list to be sure that you have all required forms and information.

Please note that the IEEE Executive Director has requested that all IEEE sponsored and cosponsored conference budgets be approved by an Administrative Committee (AdCom) member of the IEEE sponsoring Society before review by Headquarters. In the case of Regional conference budgets, approval by the Regional Director or Treasurer is required.

So that you can make the appropriate arrangements, IEEE Policy Statement 10.24 requires that all IEEE sponsored or cosponsored conferences with actual or budgeted income or expense of $250,000 or more be audited by an independent professional auditor and that all conferences wholly sponsored by IEEE with actual or budgeted income or expense between $100,000 and $250,000 have their financial records audited either by professional auditors or an audit committee composed of individuals who have no direct or indirect responsibility for the financial transactions of the conference. Also all conferences wholly sponsored by IEEE with budgeted income or expense totaling $75,000 or more must advise IEEE of the manner in which their financial records will be audited should their actual income or expense total $100,000 or more.

For more detailed information and/or instructions on IEEE policy, conference planning and form completion, please refer to the enclosed IEEE Conference Organization Manual. Forms should be completed and returned, as soon as possible, to IEEE Conferences Services, 445 Hoes Lane, P.O. Box 1331, Piscataway, New Jersey 08855-1331.

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When you begin publicizing your conference, please be sure to provide us with 25 copies of your publicity material, e.g. Call for Papers and Advance Program, so that we may respond to requests that are received by our office. This material can be sent to my attention at the above address.

If you have any questions, or need further information, please write to the above address, or call (201) 562-3878.

Best wishes for a successful conference.

Sincerely,

Laura S. Jobmann
Administrator
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LSJ: ls

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February 6, 1990

Ms. Nina Thellier
rue de la Tour
75116 Paris
FRANCE

**Fax: 011-33-1-4525-2422**

**RE: INNC -90 - PARIS**

Dear Ms. Thellier:

Thank you for your FAX of February 2, 1990. The Publications Form was not attached; however, I did receive two Conference Information Schedules.

Please verify names of financial sponsors and the percentage of their obligation.

Thank you.

Sincerely,

Laura S. Jobmann
Administrator
Conference Services Department

LSJ: vac

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Dear Laura,

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IEEE

INFORMATION THEORY SOCIETY

Prof. H. Vincent Poor
President

PLEASE REPLY TO:
Coordinated Science Laboratory
University of Illinois at
Urbana-Champaign
1101 West Springfield Avenue
Urbana, IL 61801 USA
Tel.: # (217) 333-6449
Fax. # (217) 244-1764
email: poor@uicsl.csl.uiuc.edu

January 31, 1990

Prof. Robert J. Marks, II
President, IEEE Neural Networks Council
Department of Electrical Engineering
University of Washington
MS FT-10
Seattle, WA 98195

RE: IT Society Participation in the IEEE Neural Networks Council

Dear Prof. Marks:

Pursuant to your letter of November 22, 1989, the Board of Governors of the IEEE Information Theory Society, at its meeting of January 16, 1990, voted unanimous approval of our Society's participation as a founding member of the IEEE Neural Networks Council.

Our appointees to the Neural Networks Committee will indeed be our first representatives to the Council.

I wish you continued success in this endeavor.

Sincerely,

H. Vincent Poor

cc. N. Abu-Mostafa; E. C. Posner



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OMNI SHOREHAM HOTEL

January 24, 1990

Mr. Robert J. Marks, II
University of Washington
Electrical Engineering
Mail Stop FT10
Seattle, WA 98195

Dear Mr. Marks:

Just a short note to thank you and your attendees for utilizing our facilities for your dinner held here during the IJCNN conference held here last week.

It was a pleasure working with you and I hope our food and service met with your expectations in every way.

Please accept our appreciation for your valued patronage and we look forward to your return visit.

Sincerely,

Karen Butterfield
Catering Sales Manager

KB/tk

2500 Calvert Street, N.W., Washington, D.C. 20008 (202) 234-0700 FAX: (202) 234-0700, ext. 3117

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OMNI SHOREHAM HOTEL

2500 Calvert Street, N.W., Washington, DC 20008

Mr. Robert J. Marks, II
University of Washington
Electrical Engineering
Mail Stop FT10
Seattle, WA 98195

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Microsystems Laboratory
Electrical Engineering Department
University of Maryland
College Park, Maryland 20742
Phone: (301) 454-6869
email: newcomb@bagend.eng.umd.edu
fax: (301) 454-1837

January 22, 1990

To: IJCNN Oversight Committee (IOC) Members
Present, Past, and Known Future
NNC Members
IJCNN General Chairs
From: R. Newcomb
Outgoing IOC Chairman
Subject: Meeting Results

For your information enclosed are several things.

1. Notes from the IOC meeting of January 15, 1990. This meeting was carried over into the afternoon of January 16 when the Agreement and By-Laws were completed.

2. The agreed upon Agreement covering the IJCNN and the By-Laws governing the IOC.

a. In my opinion the significant "advance" is that there is to be a General Chair [appointed by the President of the lead society] of each IJCNN in whose hands rests the authority to run the IJCNN.

b. Besides monitoring the IJCNN operations the main undertaking of the IOC is now that of setting locations and dates. This is within the framework of having one IJCNN per year within the USA and one outside [and alternating between Asia and Europe] with the lead societies alternating responsibilities.

3. The IOC agreed upon meeting locations and times through 1995.

Besides the items of the enclosures I would like to report the following:

4. To my understanding the following General Chairman are being appointed:

a) For Seattle, 1991
Professor David Rumelhart
Psychology Department, Building 420
Stanford, CA 94305-2130
phone: (415) 725-4949
email: der@psych.stanford.edu fax: (415) 725-8473

b) For Singapore, 1991
Dr. Teck Seng Low
Faculty of Engineering
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511



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c) For Brussels, 1992
Bernard Angeniol
Department Informatique et Logiciels de Systems
Division Systemes Electroniques
Thomson-CSF
1, rue des Mathurins/BP 10
92223 Bagneux Cedex
France
phone: (1) 40.84.42.39

d) For Japan, 1993
Professor Toshio Fukuda
Department of Mechanical Engineering
Nagoya University
Furo-cho, Chikusa-ku
Nagoya, 464-D1 Japan

5. Some problems not specifically addressed in the enclosed continue to be of concern and have been discussed by some IOC members. Among these are the following

a. High admission fees for students. When we are paying high fees to presenters it seems way out of line to many of us, and certainly the students, to charge high fees to students (while also not giving them a copy of the Proceedings).

b. Pre conference information needs to get out to the attendees in adequate time for them to make plans appropriate to their participation.

c. Word continue to circulate that a number of tutorials are not comprehensible or do not contain new information. Likewise there is expressed concern that the level of the papers is adequate for a meeting backed by the IEEE.

d. Decisions concerning IJCNN activities should involve all of those upon whom authority for the decisions has been placed and all of those who are affected should be adequately informed.

At this point I would like to state my appreciation to everyone associated with the IOC these last few months. Although it took most of our efforts at the expense of some other valuable undertakings, I believe that a solid framework has been established and that people are working reasonably well together so that for the time being the IJCNN can proceed for the profit of the neural network field. Thanks for all of your assistance.

cc: Others listed on the IOC address list

Attachments: items 1,2,3 listed above



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# NOTES FROM IOC MEETING AT IJCNN
## WASHINGTON, D.C.
## January 15, 1990

Participants included: R. Newcomb, W. Karplus, F. Aldana, M. Olken, R. Marks, T. Fukuda and R. Eberhart, from the IEEE Neural Networks Council; B. Widrow, P. Werbos, D. Rumelhart, J. Anderson and M. Caudill, from the International Neural Network Society. Voting members of the IOC were Newcomb (Chair), Aldana, Olken, Widrow, Werbos, Rumelhart and Anderson.

The minutes of the previous meeting in Denver were discussed. There were no objections to them, so they stood as presented.

Copies of the proposed agreement between the IEEE NNC and the INNS and a proposed meeting schedule for upcoming years were passed out.

T. Kohonen joined the meeting at this point as an observer.

B. Widrow discussed how the development of the agreement had occurred. B. Marks then reviewed the document from the IEEE perspective.

A discussion took place relative to item 13) of the proposed agreement. It was questioned whether allowing an IOC member to serve on a conference organizing committee was a good idea at all. It was decided that the 70% figure be stricken, so that no IOC member could serve on a conference organizing committee.

Added to 10) is "The conference registration fees for the members of sponsoring societies will be set at a lower rate that those for non-members."

The third sentence of item 5) was stricken.

In item 17), the first sentence is changed to read "There will be at least four signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, the President of the Lead Society, and a designated financial staff signature for each society. (According to IEEE policy, there will be a signatory for each conference from IEEE Headquarters.)

In item 13), it was agreed to add to "... mediate any disagreements" the words "in accordance with the IOC Bylaws."

Since the Bylaws are referenced by the agreement, it was agreed that any recommendation for approval of the agreement be postponed until after the Bylaws are reviewed.

The meeting then addressed the issue of the timing of meetings. T. Kohonen discussed two proposed European conferences. A conference

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is scheduled in Paris in 1990, and the International Conference on Artificial Neural Networks is scheduled for June 24-28, 1991, in Helsinki, Finland.

The possibility of moving the 1991 conferences onto the same dates, and linking them by satellite communications was discussed, as was the possibility of moving the Seattle conference. Kohonen stated that it was not possible to move the Helsinki meeting.

The Thomson meeting in Paris in July 9-13, 1990 was discussed next. Mr. Anjenou presented the plans for the meeting. He said that they were not looking for any financial support. He said he was mainly speaking to the IEEE members, and asked that the society support the meeting. Previous discussions in June were reiterated. Aldana pointed out that in Europe, the viewpoint of the EC is that commercial companies must be involved for the EC to sponsor a major conference.

It was desired by Thomson that the IEEE be a Cooperating Society, with no financial involvement, not a sponsor. Being "in cooperation with" is the least binding form of agreement. Mel Olken of the IEEE said that he thought that there could be a way to work out some sort of participation with the European meetings in general, and with the Paris meeting in particular.

After lunch the bylaws were discussed. Article V Section 1 has to be incorporated into the bylaws: "Amendments to these bylaws must be approved by the IOC and both societies." This replaces the first sentence in the proposed by-laws. The following sentence was added: "The agreement between the IEEE Neural Networks Council and the International Neural Network Society will be hereafter referred to as the Agreement."

Bob Marks suggested that Article IV Section 5 of the Consititution be incorporated into the by-laws. This Section will become Article II, Section 4 of the Bylaws.

Article II Section 2 of the Constitution becomes the second sentence of Section 13) of the Agreement, with appropriate revisions. "The President of the IEEE Neural Networks Council and the President of the International Neural Networks Society will serve as ex officio members of the IOC."

Article III of the Consititution must be moved into the Bylaws. Section 3 will be revised to read "The Chair Elect shall be responsible for taking minutes and attendance at IOC meetings." Article III becomes Article II' in the Bylaws. Old Article II Section 2 is thus deleted.

In Article III Section I, of the Bylaws the words "at least two" in the first sentence are stricken. In the first sentence, after the word recommend, the words "times and locations of" are added. Also, the words "each calendar year" are deleted. The second and third sentences are stricken.

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Article III Section 3 is deleted in its entirety.

Article III Section 6 is amended to strike the words "the constitution" and replace them with "the Agreement".

Article IV Section 1 of the Bylaws is deleted, and replaced with Article I Section 1 of the Constitution, second sentence only.

Bylaws Article IV Sections 2,3 and 4 are already in the Agreement, and are thus deleted fromt the Bylaws. Section 5 becomes Section 2, etc.

A sentence is added to Section 14) of the Agreement, after "each IJCNN": "Both societies must agree to cooperate on involvement in any major neural network conference activities held within 30 days of an IJCNN."

Articles V and VI of the Bylaws are deleted.

In addition to the above changes, typographical errors and similar errors will be corrected.

B. Newcomb and B. Widrow will discuss the revised document at 2pm January 16 in the Congressional Room, and will finalize the recommendation for approval at that time.

The meeting schedule was discussed next. The schedule for meetings through 1992 was listed:

| Lead Society | Time | Location | Chairman |
|---|---|---|---|
| INNS | Jan 1990 | Washington, D.C. | Leon Cooper |
| IEEE | Jun 1990 | San Diego, CA | Walter Karplus |
| INNS | Jul 1991 | Seattle, WA | David Rumelhart |
| IEEE | Oct 1991 | Singapore | |
| INNS | Jun 1992 | Wash/Baltimore | |
| IEEE | Oct 1992 | Brussels | |

This schedule has been previously agreed to by the IEEE. The remaining schedule must be considered as tentative.

| | | |
|---|---|---|
| INNS | Jun 1993 | San Fran/Vancouver |
| IEEE | Oct 1993 | Japan |
| INNS | Jun 1994 | Philadelphia |
| IEEE | Oct 1994 | Spain |
| INNS | Jun 1995 | San Diego |
| IEEE | Oct 1995 | Hawaii |

The names for Oct 1991 onward are to be determined.

Bob Marks moved that no Session Chairs or Moderators for the IJCNN Conferences be compensated by the conference for expenses incurred as a result of carrying out their job. Motion carried.

It was moved by Paul Werbos that it be recommended that both societies establish a joint financial support committee to provide a process for obtaining financial reimbursement for conference expenses. Motion passed.

It was moved by Bob Marks that the 1993 and 1994 meeting schedules, including time, location and lead society, be taken before the respective societies for approval as soon as possible. Motion passed.

Meeting was recessed at 4:45 p.m.

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final draft of 1/15/90

# Agreement

between the IEEE Neural Networks Council and the International Neural Network Society

In the interest of promoting research, development and education in the area of Neural Networks, the IEEE Neural Networks Council (NNC) and the International Neural Network Society (INNS) agree to jointly sponsor international meetings, known hereafter as the "International Joint Conferences on Neural Networks," equally sharing the risk and the surplus of the conferences.

1) This document becomes effective upon signature of the Presidents of the two organizations and supercedes the agreement of 11/29/88.

2) Each conference shall be titled the International Joint Conference on Neural Networks (IJCNN).

3) Primary responsibility for operation of each conference shall alternate between the two organizations. The organization with responsibility for a particular conference shall be known as the "lead society."

4) The lead society shall appoint the General Chair with the advice and consent of the President of the other organization. The lead society guarantees the other society complete access to the financial records of the Conference at any time.

5) Both organizations may organize and operate membership booths in conjunction with registration. Organization publications may be sold at these booths.

6) Proceedings of the joint conferences will be sold to members of either organization at the member's rate. The conference commmittee should approach the IEEE book broker program to establish a mechanism for post-conference sales. Establishment of this mechanism shall be part of the budget planning process for each conference. The lead society will be responsible for post conference sales of proceedings.

7) Copyrights to the conference proceedings will be controlled by and at the discretion of the lead society.

8) Exhibits are encouraged as an integral part of the conferences. The conference committee (defined in paragraph 15 below) will be responsible for establishing an exhibits program in coordination with members of the vendor community.

9) As a general guideline, speakers (except for tutorial speakers) are not compensated for their presentations. Plenary speakers normally have their travel expenses paid. The conference committee will set specific arrangements in accordance with the policies of both INNS and IEEE. Compensation for tutorial speakers shall be consistent with the policies of IEEE and INNS. Session chairs or moderators are not compensated by the conference for travel expenses incurred as a result of their job.



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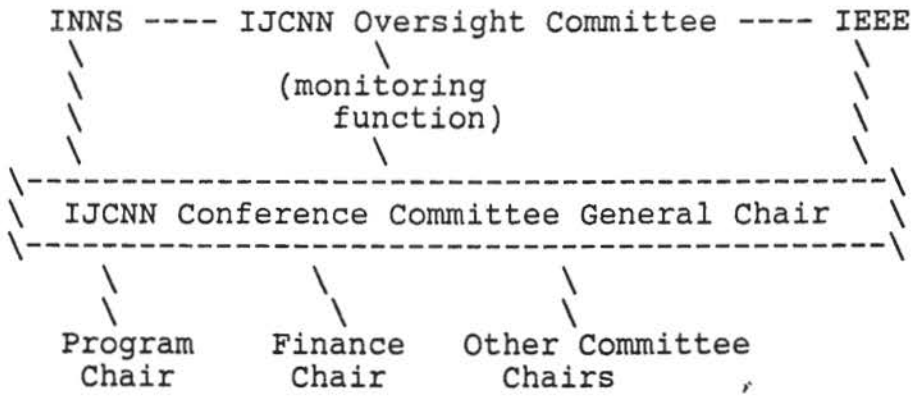
10) Registration fees will be determinded by the conference committee and submitted to the sponsoring organizations as part of the conference budget. Significant fluctuations in fees for contiguous meetings are discouraged. The conference registration fees for members of the sponsoring societies will be set less than for other attendees.

11) All expenses associated with the conference will be included in the conference budget which must be approved by both organizations. It is the responsibility of the conference committee to enforce adherence to the budget.

12) A preliminary budget will be submitted by the lead society to the IOC (as defined in paragraph 13 below) and the other organization approximately two years in advance beginning with the 1992 meetings. An operating budget will be similarly submitted approximately one year in advance. It must be approved, disapproved, or approved with modifications, within 90 days after receipt, or it is approved as submitted.

13) There shall be an Oversight Committee (hereinafter referred to as "IOC") consisting of not more than 5 people, appointed by the IEEE NNC, and not more than 5 people appointed by the INNS Executive Committee. The President of the IEEE Neural Networks Council and the President of the International Neural Networks Society will serve as ex officio members of the IOC. No IOC member will serve on the organizing committee (defined in paragrph 15 below). The IJCNN Oversight Committee shall serve to ensure adherence to this Agreement and to mediate any disagreements in accordance with the IOC By-Laws. If a disagreement cannot be resolved by the IOC, the matter will be referred to the NNC and the INNS Board. The following diagram specifies the organizational structure:




14) This agreement can be canceled upon written notification of either organization to the President of the other organization. The Presient of the INNS and the President of the NNC shall have the responsibility of settling any unfinished business already inititated as a result of this document. In the event of dissolution, each society shall honor its previously approved budgets. Upon cancellation, both organizations agree to not use the conference name "International Joint Conference on Neural Networks" or the initials "IJCNN." The NNC reserves the exclusive right to use the conference name "International Conference on Neural Networks." The INNS reserves the exclusive right to use the conference name "INNS Annual Meeting." Both organizations will refrain from sponsoring other major activities within one month of



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each IJCNN. Both Socieites must agree to cooperate on involvement in any major neural network conference activites held within 30 days of an IJCNN. Both organizations will share equally in any conference surplus. If a conference loses money, both organizations will equally share in the cost.

15) The IJCNN Conference Organizing Committee (herein referred to as "Organizing Committee" or "Conference Committee") shall consist of at least a General Chair, a Program Chair, and a Finance Chair, all of which chairs are chosen by the lead society, with the General Chair to be selected with the advice and consent of the other participaiting Society. The General Chair has primary responsibility for all aspects of the meeting and is accountable to the lead society (AdCom of the NNC; Executive Committee of the INNS) with respect to the discharge of that responsibility. It is the responsibility of the President of the lead society to ensure that the General Chair is made aware of all relevant guidelines for the conference, including financial reimbursements. The General Chair shall appoint, may dismiss and is ultimately responsible for the duties of the other members of the Organizing Committee. The Program Chair is responsible for the technical program, including preparation of the Call for Papers, speaker invitations, review/referee procedures, session organization, etc., subject to IOC guidelines. This person should assemble and preside over the Program Committee. The Finance Chair is responsible for all of the financial aspects of the meeting including approving expenditures, seeing that the correct financial records are maintained, seeing that the approved registration fees are charged, preparing the final report, etc.. The primary aim of the Finance Chair should be to stay within the approved budget: note that the approved budget may not be the same as that submitted, since the sponsors might request changes. The General Chair may appoint other chairs as required, and will in all matters follow the guidelines contained in the latest version of the IEEE Conference Organization Manual.

16) A preliminary internal audit will be presented to the IOC and both orgainzations not more than 90 days after the close of the conference. A final audit and financial report is due 180 days after the close of the conference. Copies of this audit are to be presented to the IOC and the organizations. If there is a surplus, it shall be distributed evenly between the two organizations by the conference finance chair. Either organization can order an external audit of the conference by a nationally prominent accounting firm. In such cases, the audit cost will be paid from any conference surplus.

17) There will be at least four signatories on all bank, checking, or other financial accounts for each conference. These shall include the Finance Chair, the General Chair, the President of the INNS, and a financial staff person from IEEE Headquarters. Any one signature will be sufficient to authorize checks of $10,000 or less. Any two signatures will be required for amounts greater than $10,000,

18) Policies of both IEEE and INNS with regard to running of conferences will be adhered to.



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**********

This document was discussed and jointly prepared by the members of the IJCNN Oversight Committee on 25 November, 1989, and 15 January, 1990

Approved by the INNS by its President:

_____ Date: _____

Approved by the IEEE NNC by its President:

_____ Date: _____



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final draft 1/15/90

By-Laws for the IOC

The "agreement between the IEEE Neural Network Council and the International Neural Network Society" will be hereafter referred to as the Agreement. These By-Laws are by-laws for the Agreement. Amendments to these By-Laws must be approved by the IOC and both Societies.

## Article I
## Rules of Order

Section 1. In all matters not covered by the Agreement and By-Laws, the IOC shall be governed by the latest edition of Robert's Rules of Order.

## Article II
## Management and Officers

Section 1. The officers of the IOC shall be the IOC Chair and Chair Elect. The officers shall serve for two calendar years, one year as Chair elect and one year as Chair. The IOC will be Chaired in odd years by an NNC appointee to the IOC and will be Chaired in even years by an INNS appointee. Both Officers will be appointed by the Society which they represent.

Section 2. If an officer must be absent from a meeting, he/she will designate a temporary pro tem replacement who is a representative of the same Society. The replacement must be an IOC member.

Section 3. If an IOC member will be absent from an IOC meeting, the member's society may appoint an alternate and inform the IOC officers at least two weeks in advance of the meeting.

## Article III
## IOC Meetings

Section 1. The Chair shall announce to the members of the IOC all meetings of the IOC at least twenty days in advance of the meeting or by first class mail at least twenty-five days in advance of the meeting.

Section 2. The Chair Elect shall be responsible for the minutes and attendance list of IOC meetings.

Section 3. Meetings of the IOC may be cancelled only by consent of a majority of all the members of the IOC not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given to all IOC members by mail not less than ten days before the original or the new date, whichever is earlier.

Section 4. Unless otherwise specified, all motions placed before the IOC must be approved by a majority vote of the NNC appointees to the IOC and a separate majority vote of the INNS appointees to the IOC. If either the NNC or INNS vote does not receive a majority vote of their respective IOC appointees, the motion is defeated.



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## Article IV
## IOC Responsibilities

Section 1. The IOC shall recommend the times and locations of IJCNN conferences.

Section 2. The IOC shall have the power to establish procedures whereby proposals from potential conference locations can be considered.

Section 3. The IOC shall oversee all IJCNNs in order to assure adherence to the policies and procedures of the organization which they represent. This includes, but is not limited to, assuring that audits are performed on conferences that are acceptable to both Societies.

Section 4. The IOC shall have the power to present to the Societies proposals for other IJCNNs. This includes proposals for participation of other organizations as IJCNN sponsors and their corresponding program and financial commitments. With exception to the conferences cited in Section 1, no conference will be called The International Joint Conference on Neural Networks or use the initials IJCNN, without the approval of both Societies.

Section 5. The IOC may bring before the Societies any recommendation for action not covered in the Agreement or By-Laws. Any deviation from this agreement must be approved by both Societies.

## Article V
## Society Responsibilities

Section 1. The IOC shall be governed in accordance to the Constitution and Bylaws of the Institute of Electrical and Electronics Engineers (IEEE), the Constitution, Bylaws and the Charter of the IEEE Neural Networks Council (NNC) and the Bylaws of the International Neural Networks Society (INNS).



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1/15/90

IOC Proposed IJCNN Meeting Dates/Locations

| | Lead Society | Date Month/Days | Year | Location | General Chair/Cochair |
|---|---|---|---|---|---|
| 1. | INNS | January 15-198 | 1990 | Washington, DC | L. Cooper |
| 2. | IEEE | June 17-21 | 1990 | San Diego | W. Karplus |
| 3. | INNS | July 8-13 | 1991 | Seattle | |
| 4. | IEEE | October | 1991 | Singapore | Singapore Sect.? |
| 5. | IEEE | June/July | 1992 | Baltimore/ Washington | Baltimore Sect.? |
| 6. | INNS | October | 1992 | Brussels | |
| 7. | INNS | June | 1993 | San Francisco/ Vancouver | |
| 8. | IEEE | October | 1993 | Japan | |
| 9. | IEEE | June | 1994 | Philadelphia | Philadel. Sect.? |
| 10. | INNS | October | 1994 | Germany/ Spain | |
| 11. | INNS | June | 1995 | San Diego | |
| 12. | IEEE | October | 1995 | Hawaii/ London | |

Others - for Cooperation with IEEE NNC

| | | | | |
|---|---|---|---|---|
| INNC | July 9-13 | 1990 | Paris | B. Angeniol |
| ICANN-91 | June 24-28 | 1991 | Helsinki | T. Kohonen |

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R. C. EBERHART
THE JOHNS HOPKINS UNIVERSITY
APPLIED PHYSICS LABORATORY
Johns Hopkins Road, Laurel, Maryland 20707-6099

LAUREL NOV 29 '89 MD

Prof. Robert J. Marks II
Dept. of Elec. Engg., FT-10
Univ. of Washington
Seattle, WA 98195

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# IEEE NEURAL NETWORKS COUNCIL

**Russell C. Eberhart, Ph.D.**
**Vice President**
Telephone: 301-953-5037
Fax: 301-953-1093
E-mail: rce1@aplvm.bitnet

*Please reply to:*
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20707 U.S.A.

February 7, 1990

Dr. Teck Seng Low
Dept. of Electrical Engineering
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511

Dear Dr. Low:

Your proposed dates of November 18-22, 1991, for the International Joint Conference on Neural Networks are acceptable. We will begin publicity activity right away. I assume the conference will be held at the Westin Hotel in Singapore. Is this correct?

Enclosed is a copy of the IEEE Neural Networks Council agreement with the International Neural Network Society, with the bylaws. This agreement and bylaws establish the working relationship between the two societies.

I have sent you E-mail messages twice recently. Have you received them? I have your Bitnet E-mail address as: ELELOWTS@NUSVM Is this correct? My Bitnet address is on this letterhead.

I look forward to speaking with you again soon.

Sincerely,

Russ Eberhart

Russ Eberhart

cc: R J Marks

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w/o encl.

# IEEE NEURAL NETWORKS COUNCIL

**Russell C. Eberhart, Ph.D.**
**Vice President**
Telephone: 301-953-5037
Fax: 301-953-1093
E-mail: rce1@aplvm.bitnet

*Please reply to:*
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20707 U.S.A.

February 7, 1990

Ms. Marilyn Prusan
IEEE Service Center
445 Hoes Lane
P. O. Box 1331
Piscataway, NJ 08855-1331

Dear Ms. Prusan:

In accordance with our conversation, and with approval of the Neural Networks Council (NNC) AdCom, you are authorized to disburse $60,000 to the International Neural Network Society as part of their share of the surplus from the 1989 International Joint Conference on Neural Networks, held in June 1989 in Washington, D. C.

You are also authorized to pay Robert Marks $3,470 for costs incurred as part of doing his job as President of the Council, and Chairman of the Neural Networks Committee prior to January 1, 1990.

You are also authorized to reimburse Evangelia Tzanakou $1,098.09 for expenses incurred as a result of her attendance at the November AdCom meeting in Denver, CO. Her expenses, with receipts, are enclosed. Also, please reimburse Wes Snyder $1,226.42 for expenses incurred as a result of his attendance at the November AdCom meeting. His expenses, with receipts, are enclosed.

I also am requesting reimbursement to me in the amount of $297.12 for my hotel expenses at the IEEE TAB meeting in Tarpon Springs, Florida in November 1989. Attached is the receipt for the hotel bill. This has been approved by Bob Marks, NNC President.

Since the expenses of Tzanakou and Snyder were incurred in 1989, before we became a Council, I didn't require them to use official IEEE expense statements. All travel reimbursements from 1/1/90 on will be required to be submitted with the IEEE forms.

Very truly yours,

Russell C. Eberhart

Russell C. Eberhart

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IEEE

**TECHNICAL ACTIVITIES**
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900

(201) 562-3920

February 14, 1990

To: IEEE Section and Society Newsletter Editors

From: Esmi L. Bidstrup, Manager, TAB General Activities

Subject: IEEE Technical Activities

Dr. H. Troy Nagle, Vice President, Technical Activities, has asked that we send you his Report on Actions of the IEEE Technical Activities Board in 1989 in case you think all or some of it might be of interest to your readers.

For the convenience of those Editors who use the IEEE Publishing Services we have also provided copies to Mr. Peter Arnold, Newsletter Publications Editor at IEEE headquarters in New York.

As mentioned in the report, suggestions from the IEEE membership are welcome regarding all of TAB's activities. If you or your readers would like to make suggestions, please address them to the TAB Secretariat, IEEE Service Center P. O. Box 1331, Piscataway, NJ 08855-1331.

Encl.

cc: Society Presidents
P. Arnold
I. Engelson
E. Gordon
H. T. Nagle

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## A Report on Actions of the IEEE Technical Activities Board in 1989

**H. Troy Nagle**
**Vice President for Technical Activities**

### Goals for the Year

The Technical Activities Board began 1989 by adopting a set of twelve prioritized goals to be accomplished in 1989. These goals were:

1) Conduct a Society Presidents' Workshop to identify the most important issues facing Societies, and to establish an action plan for addressing these issues.
2) Conduct a TAB Publications Workshop to focus resources on solving the publishing problems of Societies/Councils.
3) Conduct a TAB self study to evaluate the TAB volunteer structure and Society vitality.
4) Conduct a TAB self study of TAB financing.
5) Establish a RAB/TAB Chapters Ad Hoc Committee to help build better Society-Chapter communications and to recommend new TAB initiatives to improve the vitality of Chapters.
6) Conduct transnational programs that are synergistic with Regional programs and goals, and responsive to the RAB/TAB Transnational Committee defined needs.
7) Reorganize the TAB Book Broker program to expand its operations and establish marketing support.
8) Develop a plan for assuring IEEE's continuing leadership as the primary source of information in all areas of electrotechnology.
9) Establish a task force to study and report the changing technical interests of IEEE members.
10) Publish and distribute a revised Conference Manual.
11) Assess the data processing needs for the 1990s for the Technical Activities Department and for Societies, and recommend an appropriate solution.
12) Evaluate the progress of the new Neural Network and Superconductivity Committees in 1989.

This report summarizes TAB's efforts to attain these twelve goals in 1989.

### Retreats and Workshops

At the first set of TAB meetings in February, the meeting format was altered to include a Publications Workshop of one day (chaired by Division VIII Director Roy Russo) and a Society Presidents' Workshop of one day (chaired by Past Society President Alex Levis) conducted before the TAB Business meeting. The Society Presidents responded very positively and made major contributions toward identifying problems that could be addressed in 1989. At the June TAB Meetings in San Francisco, a similar meeting format was also used that included follow-up workshops with Society Presidents and Society publications volunteers. As a result of these workshops, Ad Hoc Committees and Task Forces were established to address the concerns raised. The activities in TAB in 1989 were focused on achieving not only the twelve prioritized goals listed above, but also on achieving solutions to problems and concerns raised by the IEEE Technical Societies in the workshops conducted in February and June. In what follows, a summary of the progress TAB made in accomplishing all its goals is presented.

### TAB Committee & Task Force Reports

**TAB Restructuring.** One of the major concerns raised by the Society Presidents was the restructuring of TAB to include Society Presidents in decision making positions. To respond to this concern, a committee on TAB Restructuring was created, chaired by 1989 Power Engineering Society President Wallace Behnke. The committee was composed of Society Presidents, past Division Directors, and incumbent Division Directors. The committee finished its work in June and prepared Bylaw revisions that were adopted by the Board of Directors in August. The Bylaw went into effect in January, 1990. Under the new structure, TAB consists of five Councils (Publication Products, Periodicals, Liaison, Technical Meetings, and Administration). The Periodicals and Meetings Councils are renamed versions of former TAB Standing Committees. The Publication Products Council is an expansion of the Book Broker Committee and will investigate new ideas for TAB and Society products. The Liaison Council is a policy coordinating body of TAB liaison representatives to other entities from within and outside IEEE. The TAB Administration Council is a new version of TAB OpCom with five Society Presidents (elected by the Presidents' Forum) added as voting members replacing the first year Division Directors who are now non-voting members. The Administration Council is chaired by the TAB Chair. The other four Councils Chairs are elected by TAB from among its

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present and past members. They also serve as voting members of the Administration Council. Now there are two Standing Committees reporting directly to TAB: the Strategic Planning and Review Committee (SPRC) consisting of three past Directors and three past Society Presidents (SPRC elects its Chair), and the Nomination and Appointments Committee (N&A) consisting of six Society Presidents elected by the Presidents' Forum and six Division Directors elected by the Directors' Forum (N&A also elects its own Chair). The SPRC will develop the TAB Strategic Plan and assess TAB's achievements each year. The N&A Committee will suggest slates of nominees for TAB elections and the TAB Chair's appointments. The N&A Committee also consents to the final TAB Chair appointments.

**E-mail.** An important issue raised by the Society Presidents was the ability for IEEE volunteers to communicate with each other and with IEEE staff using electronic mail. An E-mail Task Force, chaired by 1989 Control Systems Society President Jane Cullum, developed a plan to establish an IEEE e-mail node at Princeton University that can receive messages from IEEE volunteers and staff from several communications networks, and relay the messages to the addressed individual on the particular network to which he or she normally subscribes. The plan was approved by the IEEE Board of Directors in November, 1989, and should become operational in first quarter, 1990.

**Society Support.** This committee, chaired by Engineering in Medicine and Biology President Willis Tompkins, investigated the various ways Societies establish staff support structures. The committee reviewed at least six different mechanisms, ranging from expanding Society office operations in the Technical Activities Department in Piscataway to independent staff operations located outside the IEEE staff structure. The committee will participate in a Society Contracting Seminar to be held in February, 1990, in Charlotte. After the Seminar, a final report will be produced and the Committee will have fulfilled its charter.

**Society Self Study.** This committee was appointed to create a self-study mechanism for Societies, a mechanism to allow Societies to measure their own vitality. The Committee, chaired by Robert Begun, the 1990 President of the Industrial Electronics Society, has developed a self-study survey that is being evaluated by Society Presidents during early 1990.

**Society Review Committee.** At its November meeting, TAB created a Society Review Committee, chaired by Past Vice President for Technical Activities Jose Cruz, to develop a plan for reviewing all Technical Societies on a five year rotating cycle. The committee has begun its work, and will recommend a plan of action to TAB at its February 1990 meeting.

**Member Opinion Survey.** During 1989, Martha Sloan, the 1990 IEEE Executive Vice President, led an Institute-wide effort to create the first comprehensive member-opinion survey for all IEEE members. A TAB committee, chaired by 1989 Industrial Electronics Society President Fernando Aldana, contributed significantly to the development of the survey instrument, especially to the international portions of the survey. The survey was approved by the IEEE Executive Committee and the Board of Directors in November, 1989, and has been mailed to the membership. The survey results should be available by July, 1990.

**International Participation in Society Administration.** At the February workshop, the Society Presidents indicated a strong wish to increase the international character of TAB through Society Administrative Committee membership and IEEE offices outside North America. The issue of offices outside North America was passed to the Transnational Committee. A special committee, chaired by 1989 Engineering in Medicine and Biology Society President Willis Tompkins, was created to recommend ways for increasing non-US member participation in Society administration. The committee delivered its report in November describing the various ways the Societies currently encourage international participation. The committee found that several Societies are very successful at obtaining international participation in their administrative structures, and recommended that other Societies try some of these successful techniques.

**Magazine Monitoring.** Another concern among many of the Society Presidents was the effect on Society operations of a planned move of the Technical Activities Department and portions of the Publishing Services Department to Piscataway from New York City. The item of most concern was identified as the movement of the Society magazines and their immediate conversion to electronic publishing. In order to monitor the transition to Piscataway, and to define changes in the approach to magazine publishing, a committee chaired by 1989 Power Engineering Society President Wallace Behnke was established. This committee met regularly with IEEE Executive Director Eric Herz and helped the staff move the magazine operations to Piscataway smoothly. To date, the impact on Society publishing operations has been minimal.

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**Strategic Planning and Review.** In 1989, TAB created a new Strategic Planning and Review Committee, chaired by Past Division II Director Richard Nichols, to take charge of the TAB long range planning process, and to incorporate into that process an annual review of TAB's performance in attaining its adopted goals. The committee began functioning in 1989, and has assumed an even greater role in 1990.

**Training Videotapes.** At its June meeting, TAB asked that a committee be established to develop a series of training videotapes on IEEE structure and operations for IEEE volunteers. A committee, chaired by Division II Director Harold Goldberg, began developing a series of videotapes during the summer of 1989. The committee currently is writing scripts for the first three tapes which it plans to produce in 1990. The tape series will be available for loan to other IEEE entities when they are completed.

**Technical Activities Department Organization.** To provide volunteer input in the organization of the Technical Activities Department managed by Staff Director Irving Engelson, a committee was appointed that was co-chaired by Division II Director Harold Goldberg and Division VIII Director Roy Russo. This committee met several times in Piscataway and helped the Staff Director develop a new structure for his Department after its move to Piscataway has been accomplished. The new organization structure will take effect in first quarter 1990.

**Financial Reporting.** A loud complaint issued by both Society Presidents and publications volunteers was the utility and timeliness of financial reports from IEEE headquarters. A task force chaired by Division VI Director Arthur Goldsmith was formed to begin investigating ways to improve the financial reporting methods. As the year progressed, it became apparent that this financial reporting issue was only part of an even larger concern, that of electronic access by Societies to IEEE headquarter's databases. In 1990, this task force has been expanded and renamed the Electronic Access Committee, and it is now co-chaired by Division IX Director Warren Cooper.

**RAB/TAB Committee Reports**

**Transnational Committee.** This committee, chaired by Past IEEE President Arthur Stern, is a joint committee of RAB and TAB. The committee helped organize the 1989 Region 10 Colloquium and began investigating locations for IEEE offices outside North America.

**Chapters.** This committee, chaired by William Middleton, was established as a joint committee of RAB and TAB in 1989. The committee is a forum for identifying issues relating to the administration of Society Chapters. The committee charter was revised during the year, and it became a standing committee of both RAB and TAB in November. The committee is playing a major role in arranging TAB participation in the Sections Congress to take place in Toronto on October 4-7, 1990.

**Region 10 Colloquium.** Another new idea implemented in 1989 was the expansion of the annual TAB OpCom Colloquium to include Society representatives. The 1989 Colloquium, sponsored by TAB and its Technical Societies, took the form of a lecture tour in Region 10 that included over 11 Societies and 25 lecturers making presentations in Australia, Singapore, and India (organized by Division X Director Anthony Ephremides and Region 10 Director M. V. Chauhan). The Colloquium was conducted during the last two weeks in October. The interactions between the TAB and Society delegates and the Region 10 membership were very rewarding for both groups. Ideas for improving services to Sections and Chapter members are being translated into action items for TAB and the Transnational Committee for 1990.

**TAB's Accomplishments for the Year**

After adopting a very ambitious set of goals for the year, and then adding to the list by creating a series of special committees and task forces, how successful was TAB in accomplishing its goals?

1) Conduct a Society Presidents' Workshop to identify the most important issues facing Societies, and to establish an action plan for addressing these issues. TAB conducted two Presidents' Workshops.

2) Conduct a TAB Publications Workshop to focus resources on solving the publishing problems of Societies/Councils. TAB conducted two Publications Workshops.

3) Conduct a TAB self study to evaluate the TAB volunteer structure and Society vitality. The restructuring of TAB has been achieved. Committees were established to review the vitality of Divisions and Societies. A regular review cycle for all Societies will begin in 1990.

4) Conduct a TAB self study of TAB financing. At the August meeting of the Board of Directors, a committee was established to

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examine the budget autonomy issue for both RAB and TAB. At the November Board of Directors meeting, a budget entitlement was established for RAB and TAB, making TAB more autonomous beginning in 1991.

5) Establish a RAB/TAB Chapters Ad Hoc Committee to help build better Society-Chapter communications and to recommend new TAB initiatives to improve the vitality of Chapters. This committee has been established.

6) Conduct transnational programs that are synergistic with Regional programs and goals, and responsive to the RAB/TAB Transnational Committee defined needs. The Transnational Committee has become a vital part of both RAB and TAB. The Region 10 Colloquium was organized by the Transnational Committee. In the future, TAB will hold some if its administrative meetings outside North America. A 1990 Colloquium in South America and a 1991 Colloquium in Europe are being planned.

7) Reorganize the TAB Book Broker program to expand its operations and establish marketing support. The Book Broker has been expanded into the new TAB Publications Products Council in 1990. A marketing manager has been hired, and a business plan is in place to increase the conference publications products available to Society members.

8) Develop a plan for assuring IEEE's continuing leadership as the primary source of information in all areas of electrotechnology. This task was assigned to the Strategic Planning and Review Committee. The SPRC conducted a retreat in San Juan in January, 1990, on long range plans for TAB. A plan for accomplishing this goal will be completed in 1990.

9) Establish a task force to study and report the changing technical interests of IEEE members. This task was assigned to the Member Opinion Survey committee. The results of the survey will provide some insight into the changing technical interest of our members.

10) Publish and distribute a revised Conference Manual. The TAB Meetings Committee revised the IEEE Conference Manual and it went to the printer in December.

11) Assess the data processing needs for the 1990s for the Technical Activities Department and for Societies, and recommend an appropriate solution. The IEEE Executive Committee commissioned a data processing study for the Institute in August, 1989. The results of that study will be available during the first quarter, 1990. At that time a TAB Computational Facilities Committee, chaired by Division I Director Frederick Dill, will prepare an implementation plan for TAB.

12) Evaluate the progress of the new Neural Network and Superconductivity Committees in 1989. The Neural Networks Committee has been very successful. The Committee was raised to Council status at the November TAB meeting. The Superconductivity Committee has been asked to give an oral report at the February, 1990, TAB Meeting.

**Conclusions**

I think it is fair to say that TAB achieved almost all its goals in 1989! Many new mechanisms have been put in place to help Societies in publishing and support services. The new TAB structure makes Societies partners in TAB governance. In 1990, the implementation of the new structure will undoubtedly uncover a few rough spots in the operational aspects of the new organization, but since the general concepts in the new structure for TAB have the unanimous support of the Society Presidents and Division Directors, the rough spots should be easily mended.

**Plans for 1990**

The year 1990 promises to be an exciting one for TAB and its member Societies. The Strategic Planning and Review Committee has presented TAB with an ambitious set of 30 possible goals for 1990. The Society Presidents rated the goals at the November 1989 TAB meeting and will adopt a prioritized subset at the February 1990 meeting. The goal voted the highest priority by the Society Presidents in November is the development of a plan for assuring IEEE's continuing leadership as the primary source of information at the forefront of all areas of electrotechnology. In 1990, TAB will be working together with other IEEE Boards and Committees to develop this plan which is central to the future vitality of the Institute. Suggestions from the IEEE membership are welcomed regarding this and all of TAB's activities. If you would like to make suggestions, please address them to the TAB Secretariat, IEEE Service Center, P. O. Box 1331, Piscataway, NJ 08855-1331.

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NEURAL NETWORKS

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(415) 424-2704

February 2, 1990

To Bob Marks

Copy Eberhart, Tzanakou, Simpson, Caudill

Subject Subscriptions to the Transactions

- FIRST, here is a correction in my FAX number.
The correct FAX is (415)424-2662

- SECOND, I just received the suscription numbers for the March Transactions which will be mailed about February 15.

We have 4833 Member Subscribers (compared to estimate of 4000) and we have 1085 Library subscribers (compared to 1000 estimate). This is exciting news, because it means we have 20% more Member Subscribers than we hoped for.

- THIRD, enclosed is the "original budget" based on 4000 member subscribers (which was submitted to IEEE in March 1989). which has an estimated surplus of $14K. Also enclosed the "revised" budget based on 5000 member subscribers which has an estimated surplus of $21K. This estimated surplus can be used to defray the cost of additional pages for 1990, if we need them. For example, increasing the total number of pages in the Transactions in 1990 by 112 pages (from 320 to 442 pages) is estimated to cost about $10K. I do not think we will need that many extra pages in 1990, but this gives you an idea of the costs.

- IN SUMMARY, we have good news in that we have nearly 5000 Member subscribers to the Transactions (plus 1000 Library Subscribers).

HERB RAUCH

POST SCRIPT: For 1991 the plan is to go to six issues per year (50% increase) with an increase of pages to 480 pages (50 % increase) or to perhaps 560 pages (75% increase)



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# NEURAL NETWORKS

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| | 1990 ORIGINAL BUDGET | 1990 REVISED BUDGET |
|---|---|---|
| Pages | 320 | 320 |
| Copies | 5K | 6K |
| INCOME | | |
| Transactions Package (1000 copies) | $40K | $40K |
| Subscribers ($10 per year) | $40K | $50K |
| INCOME TOTAL | $80K | $90K |
| EXPENSES | | |
| IEEE Publications | $56K | $59K |
| Editor Expenses | $10K | $10K |
| EXPENSES TOTAL | $66K | $69K |
| POTENTIAL SURPLUS | $14K | $21K |



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| | | 1002 | 5 | 154 | 5 | 0 | 3 | 162 | 0 | | | | | 167 | 42 | 209 | |
| | | 1381 | 155 | 681 | 4 | 7 | 5 | 697 | 1 | | | | | 853 | 294 | 1147 | |
| | | 1382 | 1 | 5 | 0 | 0 | 0 | 5 | 0 | | | | | 6 | 4 | 10 | |
| | | 1491 | 187 | 565 | 0 | 3 | 4 | 572 | 0 | | | | 2 | 761 | | 761 | |
| | | 1492 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | | | | | 3 | | 3 | |
| BT | 02 | | 300 | 2157 | 135 | 2 | 21 | 2315 | 2 | 2617 | 455 | 3072 | | | | | 117 |
| | | 1011 | 299 | 2045 | 94 | 2 | 21 | 2162 | 2 | | | | | 2463 | 452 | 2915 | |
| | | 1012 | 1 | 41 | 1 | 0 | 0 | 42 | 0 | | | | | 43 | 7 | 50 | |
| AP | 03 | | 1246 | 6917 | 179 | 44 | 39 | 7179 | 3 | 8428 | 1467 | 9895 | | | | | 89 |
| | | 1041 | 1245 | 6761 | 153 | 44 | 39 | 6997 | 3 | | | | 9 | 6254 | 1458 | 5712 | |
| | | 1042 | 2 | 106 | 4 | 0 | 0 | 110 | 0 | | | | | 112 | 31 | 143 | |
| CAS | 04 | | 2625 | 10878 | 103 | 80 | 58 | 11119 | 2 | 13746 | 3624 | 17370 | | | | | 70 |
| | | 0041 | 2560 | 10775 | 83 | 80 | 56 | 10994 | 2 | | | | | 13562 | 3635 | 17197 | |
| | | 1051 | 1661 | 6711 | 68 | 62 | 33 | 6874 | 1 | | | | 14 | 8550 | 2999 | 11549 | |
| | | 1052 | 0 | 133 | 1 | 0 | 2 | 136 | 0 | | | | | 136 | 33 | 169 | |
| | | 1391 | 1067 | 3990 | 7 | 25 | 17 | 4039 | 1 | | | | 7 | 5114 | 1708 | 6822 | |
| | | 1392 | 3 | 44 | 0 | 0 | 0 | 44 | 0 | | | | | 47 | 21 | 68 | |
| | | 1491 | 142 | 469 | 2 | 4 | 1 | 476 | 0 | | | | | 618 | | 618 | |
| | | 1492 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | | | | | 6 | | 6 | |
| | | 3131 | 1610 | 8266 | 77 | 70 | 43 | 8456 | 2 | | | | 3 | 10071 | 4348 | 14419 | |
| | | 3132 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | | | | | 3 | | 3 | |
| | | 4101 | 752 | 4115 | 30 | 19 | 20 | 4184 | 0 | | | | 16 | 4952 | 1335 | 6287 | |
| | | 4102 | 1 | 76 | 0 | 1 | 1 | 78 | 0 | | | | | 79 | 14 | 93 | |
| | | 4301 | 5 | 61 | 1 | 0 | 0 | 62 | 0 | | | | | 67 | 115 | 182 | |
| | | 4302 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | 2 | 5 | 7 | |
| NPS | 05 | | 249 | 2586 | 88 | 8 | 22 | 2704 | 158 | 3111 | 574 | 3685 | | | | | 75 |
| | | 1061 | 140 | 1859 | 49 | 5 | 16 | 1929 | 121 | | | | 1 | 2191 | 464 | 2655 | |
| | | 1062 | 0 | 36 | 1 | 0 | 1 | 38 | 1 | | | | | 39 | 9 | 48 | |
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| | | 1072 | 1 | 12 | 2 | 0 | 0 | 14 | 0 | | | | | 15 | 3 | 18 | |
| | | 1381 | 6 | 155 | 2 | 0 | 1 | 158 | 25 | | | | | 189 | 53 | 242 | |
| | | 1382 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | | | | | 2 | 1 | 3 | |
| VT | 06 | | 266 | 2518 | 141 | 8 | 21 | 2688 | 3 | 2957 | 556 | 3513 | | | | | 79 |
| | | 1081 | 265 | 2435 | 115 | 7 | 21 | 2578 | 3 | | | | 2 | 2848 | 553 | 3401 | |
| | | 1082 | 1 | 37 | 1 | 1 | 0 | 39 | 0 | | | | | 40 | 10 | 50 | |
| R | 07 | | 180 | 3859 | 100 | 7 | 27 | 3993 | 11 | 4184 | 761 | 4945 | | | | | 58 |
| | | 1091 | 177 | 3785 | 79 | 7 | 27 | 3898 | 11 | | | | 10 | 4096 | 760 | 4856 | |
| | | 1092 | 3 | 51 | 1 | 0 | 0 | 52 | 0 | | | | | 55 | 11 | 66 | |
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| | | 1352 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | | | | | 2 | 2 | 4 | |
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| | | 4302 | 0 | 2 | 2 | 0 | 0 | 4 | 0 | | | | | 4 | 2 | 6 | |
| IT | 12 | | 1220 | 4249 | 49 | 5 | 37 | 4340 | 5 | 5569 | 1176 | 6745 | | | | | 30 |
| | | 1121 | 1216 | 4155 | 41 | 5 | 35 | 4236 | 5 | | | | 5 | 5466 | 1170 | 6636 | |
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| | | 1151 | 819 | 6217 | 41 | 28 | 41 | 6327 | 2 | | | | 14 | 7162 | 1165 | 8347 | |
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| | | 1162 | 1 | 218 | 4 | 0 | 1 | 223 | 5 | | | | | 233 | 63 | 296 | |
| | | 1171 | 1028 | 8376 | 23 | 55 | 47 | 8501 | 5840 | | | | 19 | 15388 | 3934 | 19322 | |
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| | | 1351 | 1031 | 4311 | 6 | 30 | 24 | 4377 | 1001 | | | | 4 | 7013 | 2379 | 9392 | |
| | | 1352 | 1 | 70 | 1 | 0 | 0 | 77 | 8 | | | | | 86 | 19 | 105 | |

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| ABBR | SOC SUB | PUB ID | STUDENT | REG | RET | MIN | UNEMP | SUB TOTAL | AFFILS | ACTIVE MEMBS | ARREARS MEMBS | ACT/ARR MEMBS | EXTRA CPYS | ACTIVE CPYS | ARR PRIOR YR CPYS | ACT/ARR CPYS | LTD SRVC |
| | | 1471 | 605 | 3482 | 9 | 57 | 24 | 3572 | 2603 | | | | 9 | 6789 | 560 | 7349 | |
| | | 1472 | 1 | 30 | 0 | 0 | 0 | 30 | 3 | | | | | 34 | 4 | 38 | |
| | | 1501 | 691 | 2055 | 3 | 14 | 10 | 2082 | 1108 | | | | | 3881 | | 3881 | |
| | | 1502 | 2 | 18 | 0 | 0 | 0 | 18 | 1 | | | | | 21 | | 21 | |
| | | 3001 | 13223 | 62280 | 667 | 678 | 485 | 64110 | 25334 | | | | 45 | 102712 | 15557 | 118269 | |
| | | 3002 | 12 | 346 | 7 | 1 | 3 | 357 | 24 | | | | | 393 | 80 | 473 | |
| | | 3061 | 1314 | 7791 | 34 | 57 | 55 | 7937 | 4193 | | | | 20 | 13464 | 3115 | 16579 | |
| | | 3062 | 6 | 70 | 2 | 0 | 0 | 72 | 5 | | | | | 83 | 28 | 111 | |
| | | 3071 | 1614 | 11808 | 58 | 120 | 105 | 12091 | 2936 | | | | 10 | 16653 | 4655 | 21308 | |
| | | 3072 | 1 | 136 | 2 | 0 | 0 | 138 | 8 | | | | | 147 | 44 | 191 | |
| | | 3111 | 831 | 4544 | 10 | 29 | 34 | 4617 | 982 | | | | 5 | 6435 | 2340 | 8775 | |
| | | 3112 | 2 | 46 | 1 | 0 | 0 | 47 | 2 | | | | | 51 | 21 | 72 | |
| | | 3121 | 1625 | 14773 | 57 | 100 | 107 | 15037 | 10436 | | | | 24 | 27124 | 5077 | 32201 | |
| | | 3122 | 2 | 109 | 2 | 0 | 0 | 111 | 11 | | | | | 124 | 35 | 159 | |
| | | 3151 | 1149 | 8430 | 43 | 117 | 59 | 8649 | 4538 | | | | 8 | 14744 | 4752 | 19496 | |
| | | 3152 | 1 | 69 | 1 | 0 | 0 | 70 | 10 | | | | | 81 | 24 | 105 | |
| | | 4101 | 88 | 1185 | 10 | 9 | 9 | 1213 | 53 | | | | 2 | 1356 | 458 | 1814 | |
| | | 4102 | 1 | 26 | 0 | 0 | 0 | 26 | 0 | | | | | 27 | 19 | 46 | |
| | | 4301 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | 348 | 349 | |
| | | 4302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 9 | 9 | |
| MIT | 17 | | 1384 | 9004 | 139 | 65 | 52 | 9260 | 10 | 10654 | 2566 | 13220 | | | | | 74 |
| | | 1181 | 1314 | 8498 | 111 | 59 | 47 | 8715 | 9 | | | | 11 | 10049 | 2413 | 12462 | |
| | | 1182 | 0 | 136 | 3 | 1 | 2 | 142 | 0 | | | | 1 | 143 | 26 | 169 | |
| | | 4101 | 194 | 921 | 10 | 9 | 5 | 945 | 1 | | | | 3 | 1143 | 472 | 1615 | |
| | | 4102 | 0 | 12 | 0 | 0 | 1 | 13 | 0 | | | | | 13 | 4 | 17 | |
| | | 4301 | 31 | 260 | 0 | 6 | 2 | 268 | 0 | | | | | 299 | 160 | 459 | |
| | | 4302 | 0 | 7 | 1 | 0 | 1 | 9 | 0 | | | | | 9 | 1 | 10 | |
| EMB | 18 | | 1378 | 5338 | 134 | 41 | 44 | 5557 | 100 | 7035 | 1613 | 8648 | | | | | 80 |
| | | 1191 | 489 | 3193 | 59 | 24 | 22 | 3298 | 66 | | | | 4 | 3859 | 812 | 4671 | |
| | | 1192 | 2 | 42 | 3 | 0 | 0 | 45 | 0 | | | | | 47 | 17 | 64 | |
| | | 1351 | 56 | 206 | 1 | 2 | 1 | 210 | 5 | | | | | 271 | 141 | 412 | |
| | | 1352 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | | | | | 1 | | 1 | |
| | | 1361 | 219 | 922 | 9 | 12 | 9 | 952 | 11 | | | | 2 | 1184 | 377 | 1561 | |
| | | 1362 | 1 | 13 | 1 | 0 | 0 | 14 | 0 | | | | | 15 | 3 | 18 | |
| | | 1491 | 69 | 220 | 0 | 1 | 2 | 223 | 3 | | | | 1 | 296 | | 296 | |
| | | 1492 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | | 1 | |
| | | 3091 | 1362 | 5239 | 109 | 41 | 43 | 5432 | 100 | | | | 3 | 6897 | 1601 | 8498 | |
| | | 3092 | 3 | 43 | 3 | 0 | 0 | 46 | 0 | | | | | 49 | 15 | 64 | |
| CUM | 19 | | 3592 | 24363 | 455 | 206 | 190 | 25214 | 272 | 29078 | 4419 | 33497 | | | | | 231 |
| | | 1201 | 1359 | 9721 | 132 | 70 | 69 | 9992 | 77 | | | | 20 | 11448 | 2484 | 13932 | |
| | | 1202 | 3 | 153 | 1 | 0 | 3 | 157 | 0 | | | | | 160 | 36 | 196 | |
| | | 1411 | 860 | 6889 | 48 | 64 | 55 | 7056 | 73 | | | | 7 | 7996 | 1590 | 9586 | |
| | | 1412 | 3 | 72 | 0 | 0 | 1 | 73 | 0 | | | | | 76 | 14 | 90 | |
| | | 1491 | 90 | 470 | 1 | 1 | 8 | 480 | 3 | | | | | 579 | | 579 | |

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| | | 1492 | 0 | 5 | 0 | 0 | 0 | 5 | 0 | | | | | 5 | | 5 | |
| | | 3021 | 3564 | 24024 | 361 | 206 | 186 | 24777 | 272 | | | | 28 | 28641 | 4425 | 33066 | |
| | | 3022 | 5 | 179 | 2 | 0 | 3 | 184 | 0 | | | | | 189 | 36 | 225 | |
| | | 3171 | 551 | 7767 | 48 | 58 | 61 | 7934 | 147 | | | | 5 | 8637 | 1814 | 10451 | |
| | | 3172 | 2 | 53 | 0 | 0 | 0 | 53 | 0 | | | | | 55 | 17 | 72 | |
| | | 3191 | 168 | 1485 | 12 | 8 | 15 | 1520 | 13 | | | | | 1701 | | 1701 | |
| | | 3192 | 0 | 8 | 0 | 0 | 0 | 8 | 0 | | | | | 8 | | 6 | |
| | | 4101 | 29 | 307 | 4 | 4 | 4 | 319 | 0 | | | | 1 | 349 | 165 | 534 | |
| | | 4102 | 0 | 8 | 0 | 0 | 0 | 8 | 0 | | | | | 8 | | 8 | |
| | | 4301 | 64 | 804 | 2 | 6 | 6 | 818 | 2 | | | | 1 | 885 | 416 | 1301 | |
| | | 4302 | 0 | 11 | 0 | 0 | 0 | 11 | 0 | | | | | 11 | 1 | 12 | |
| UFFC | 20 | | 183 | 1807 | 37 | 7 | 10 | 1861 | 5 | 2049 | 442 | 2491 | | | | | 27 |
| | | 1211 | 152 | 1658 | 25 | 7 | 8 | 1698 | 5 | | | | 5 | 1860 | 412 | 2272 | |
| | | 1212 | 1 | 24 | 2 | 0 | 1 | 27 | 0 | | | | | 28 | 11 | 39 | |
| | | 1351 | 0 | 23 | 1 | 0 | 1 | 25 | 0 | | | | | 25 | 16 | 41 | |
| | | 1381 | 10 | 115 | 2 | 0 | 1 | 118 | 0 | | | | | 128 | 31 | 159 | |
| | | 1382 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | | | | | 3 | | 3 | |
| | | 4101 | 38 | 171 | 0 | 1 | 1 | 173 | 0 | | | | | 211 | 78 | 289 | |
| | | 4102 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | | | | | 3 | 1 | 4 | |
| | | 4301 | 2 | 32 | 0 | 0 | 0 | 32 | 1 | | | | | 35 | 17 | 52 | |
| | | 4302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 1 | 1 | |
| CHMT | 21 | | 250 | 3789 | 102 | 18 | 28 | 3937 | 36 | 4223 | 1274 | 5497 | | | | | 40 |
| | | 1221 | 240 | 3724 | 92 | 18 | 28 | 3862 | 36 | | | | 2 | 4140 | 1269 | 5409 | |
| | | 1222 | 1 | 48 | 3 | 0 | 0 | 51 | 0 | | | | | 52 | 15 | 67 | |
| | | 4101 | 70 | 443 | 1 | 0 | 2 | 446 | 2 | | | | | 518 | 414 | 932 | |
| | | 4102 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | | | | | 6 | 3 | 9 | |
| GE | 22 | | 248 | 1741 | 95 | 0 | 8 | 1844 | 12 | 2102 | 592 | 2694 | | | | | 92 |
| | | 4201 | 246 | 1658 | 60 | 0 | 8 | 1726 | 12 | | | | | 1984 | 590 | 2574 | |
| | | 4202 | 0 | 25 | 4 | 0 | 1 | 30 | 0 | | | | | 30 | 7 | 37 | |
| CS | 23 | | 1959 | 8015 | 67 | 83 | 41 | 8206 | 20 | 10185 | 2518 | 12703 | | | | | 35 |
| | | 1231 | 1952 | 7914 | 52 | 83 | 39 | 8088 | 20 | | | | 14 | 10074 | 2508 | 12582 | |
| | | 1232 | 3 | 87 | 1 | 0 | 2 | 90 | 0 | | | | | 93 | 28 | 121 | |
| | | 1351 | 50 | 260 | 1 | 3 | 3 | 267 | 1 | | | | | 318 | 139 | 457 | |
| | | 1352 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | 3 | 4 | |
| | | 1491 | 101 | 317 | 2 | 2 | 3 | 324 | 1 | | | | 1 | 427 | | 427 | |
| | | 1492 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | 2 | | 2 | |
| RA | 24 | | 1332 | 4578 | 44 | 8 | 41 | 4671 | 142 | 6145 | 2280 | 8425 | | | | | 14 |
| | | 1461 | 1330 | 4513 | 39 | 6 | 41 | 4601 | 141 | | | | 60 | 6132 | 2271 | 8403 | |
| | | 1462 | 2 | 58 | 1 | 0 | 0 | 59 | 1 | | | | | 62 | 19 | 81 | |
| | | 1491 | 56 | 175 | 0 | 0 | 1 | 176 | 6 | | | | | 238 | | 238 | |
| | | 1492 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | | 1 | |
| E | 25 | | 277 | 2554 | 89 | 5 | 25 | 2673 | 9 | 2959 | 572 | 3531 | | | | | 59 |
| | | 1241 | 277 | 2487 | 68 | 5 | 25 | 2585 | 9 | | | | 1 | 2872 | 571 | 3443 | |
| | | 1242 | 0 | 33 | 0 | 0 | 0 | 33 | 0 | | | | | 33 | 6 | 39 | |
| PE | 26 | | 177 | 2167 | 85 | 11 | 28 | 2291 | 95 | 2563 | 616 | 3179 | | | | | 37 |

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| | | 1251 | 177 | 2116 | 71 | 11 | 28 | 2226 | 95 | | | | 2 | 2500 | 613 | 3113 | |
| | | 1252 | 0 | 42 | 1 | 0 | 0 | 43 | 0 | | | | | 43 | 7 | 50 | |
| EMC | 27 | | 240 | 3330 | 105 | 8 | 19 | 3462 | 4 | 3706 | 541 | 4247 | | | | | 34 |
| | | 1261 | 239 | 3274 | 93 | 8 | 19 | 3394 | 4 | | | | 3 | 3640 | 543 | 4183 | |
| | | 1262 | 1 | 51 | 0 | 0 | 0 | 51 | 0 | | | | 1 | 53 | 9 | 62 | |
| SMC | 28 | | 828 | 3604 | 66 | 8 | 27 | 3705 | 42 | 4575 | 1075 | 5650 | | | | | 30 |
| | | 1271 | 825 | 3541 | 53 | 8 | 26 | 3628 | 42 | | | | 2 | 4497 | 1065 | 5562 | |
| | | 1272 | 3 | 53 | 2 | 0 | 1 | 56 | 0 | | | | | 59 | 18 | 77 | |
| | | 1351 | 83 | 341 | 5 | 2 | 3 | 351 | 5 | | | | | 439 | 148 | 587 | |
| | | 1352 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | | | | | 4 | | 4 | |
| | | 1491 | 84 | 227 | 2 | 0 | 1 | 230 | 3 | | | | | 317 | | 317 | |
| GRS | 29 | | 273 | 1970 | 36 | 4 | 4 | 2014 | 79 | 2366 | 577 | 2943 | | | | | 31 |
| | | 1281 | 272 | 1924 | 25 | 4 | 4 | 1957 | 79 | | | | 4 | 2312 | 571 | 2883 | |
| | | 1282 | 1 | 29 | 2 | 0 | 0 | 31 | 0 | | | | | 32 | 8 | 40 | |
| SIT | 30 | | 283 | 2188 | 103 | 3 | 21 | 2315 | 11 | 2609 | 700 | 3309 | | | | | 27 |
| | | 1401 | 283 | 2154 | 94 | 3 | 21 | 2272 | 11 | | | | | 2566 | 694 | 3260 | |
| | | 1402 | 0 | 16 | 2 | 0 | 0 | 18 | 0 | | | | | 18 | 7 | 25 | |
| PE | 31 | | 1204 | 20366 | 1419 | 305 | 114 | 22204 | 5 | 23413 | 2809 | 26222 | | | | | 917 |
| | | 1421 | 145 | 2768 | 56 | 71 | 15 | 2910 | 0 | | | | 14 | 3069 | 900 | 3969 | |
| | | 1422 | 0 | 74 | 2 | 0 | 0 | 76 | 0 | | | | | 76 | 23 | 99 | |
| | | 1431 | 174 | 3563 | 81 | 96 | 21 | 3701 | 0 | | | | 14 | 3949 | 969 | 4918 | |
| | | 1432 | 0 | 94 | 2 | 0 | 0 | 96 | 0 | | | | | 96 | 26 | 122 | |
| | | 1441 | 280 | 4130 | 63 | 99 | 28 | 4320 | 0 | | | | 16 | 4615 | 1129 | 5744 | |
| | | 1442 | 1 | 94 | 3 | 0 | 0 | 97 | 0 | | | | | 98 | 24 | 122 | |
| | | 3081 | 1200 | 19764 | 1001 | 304 | 113 | 21182 | 5 | | | | 7 | 22394 | 2812 | 25206 | |
| | | 3082 | 3 | 100 | 6 | 0 | 2 | 108 | 0 | | | | | 111 | 16 | 127 | |
| DEI | 32 | | 80 | 1894 | 92 | 17 | 10 | 2013 | 11 | 2104 | 328 | 2432 | | | | | 68 |
| | | 1301 | 79 | 1826 | 76 | 17 | 10 | 1929 | 11 | | | | 6 | 2027 | 329 | 2356 | |
| | | 1302 | 1 | 21 | 0 | 0 | 0 | 21 | 0 | | | | | 22 | 3 | 25 | |
| MAG | 33 | | 265 | 3160 | 100 | 10 | 24 | 3294 | 90 | 3649 | 669 | 4318 | | | | | 53 |
| | | 1311 | 265 | 3087 | 83 | 10 | 22 | 3202 | 89 | | | | 6 | 3564 | 667 | 4231 | |
| | | 1312 | 0 | 47 | 2 | 0 | 2 | 51 | 1 | | | | | 52 | 10 | 62 | |
| | | 2331 | 0 | 59 | 0 | 0 | 0 | 59 | 2 | | | | | 61 | 29 | 90 | |
| IA | 34 | | 426 | 9540 | 551 | 94 | 58 | 10243 | 2 | 10671 | 1225 | 11896 | | | | | 341 |
| | | 1321 | 423 | 9290 | 403 | 94 | 57 | 9844 | 2 | | | | 5 | 10274 | 1213 | 11487 | |
| | | 1322 | 3 | 75 | 1 | 0 | 1 | 77 | 0 | | | | | 80 | 22 | 102 | |
| PEL | 35 | | 555 | 3776 | 57 | 21 | 25 | 3879 | 1 | 4435 | 989 | 5424 | | | | | 9 |
| | | 4501 | 553 | 3742 | 53 | 21 | 25 | 3841 | 1 | | | | 5 | 4400 | 985 | 5385 | |
| | | 4502 | 2 | 34 | 1 | 0 | 0 | 35 | 0 | | | | | 37 | 11 | 48 | |
| LEO | 36 | | 1509 | 5039 | 41 | 30 | 32 | 5142 | 78 | 6729 | 1989 | 8718 | | | | | 17 |
| | | 1341 | 611 | 3138 | 23 | 24 | 18 | 3203 | 68 | | | | 1 | 3883 | 2287 | 6170 | |
| | | 1342 | 3 | 44 | 2 | 0 | 1 | 47 | 1 | | | | | 51 | 27 | 78 | |
| | | 1481 | 1504 | 4965 | 33 | 30 | 31 | 5059 | 77 | | | | 3 | 6643 | 1985 | 8628 | |
| | | 1482 | 2 | 49 | 2 | 0 | 1 | 52 | 1 | | | | 1 | 56 | 28 | 84 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1491 | 34 | 95 | 0 | 0 | 0 | 95 | 0 | | | | | 129 | | 129 | |
| | | 1492 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | 2 | | 2 | |
| | | 3131 | 793 | 3185 | 24 | 22 | 21 | 3252 | 76 | | | | 1 | 4122 | 2544 | 6666 | |
| | | 3132 | 0 | 3 | 0 | 0 | 1 | 4 | 0 | | | | | 4 | | 4 | |
| | | 3191 | 58 | 255 | 0 | 0 | 0 | 255 | 0 | | | | | 313 | | 313 | |
| | | 3192 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 2 | | 2 | |
| | | 4101 | 15 | 116 | 1 | 2 | 2 | 123 | 2 | | | | | 140 | 89 | 229 | |
| | | 4102 | 1 | 3 | 0 | 0 | 1 | 4 | 1 | | | | | 6 | 3 | 9 | |
| | | 4301 | 172 | 1142 | 7 | 14 | 7 | 1170 | 5 | | | | 1 | 1352 | 419 | 1771 | |
| | | 4302 | 2 | 14 | 0 | 0 | 1 | 15 | 1 | | | | | 18 | 5 | 23 | |
| | | 4601 | 55 | 100 | 0 | 0 | 0 | 100 | 0 | | | | | 155 | 33 | 188 | |
| | | 4602 | 1 | 2 | 0 | 0 | 1 | 3 | 0 | | | | | 4 | | 4 | |
| | | 0000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| PAMI | PRINTED- | 1351 | 1284 | 5012 | 14 | 44 | 37 | 5707 | 1613 | | | | 6 | 8610 | 3070 | 11680 | |
| PAMI | MICRO- | 1352 | 1 | 89 | 4 | 0 | 0 | 93 | 8 | | | | | 102 | 25 | 127 | |
| MIC | PRINTED- | 1381 | 390 | 1873 | 17 | 19 | 16 | 1925 | 37 | | | | 2 | 2354 | 755 | 3109 | |
| MIC | MICRO- | 1382 | 2 | 22 | 2 | 0 | 0 | 24 | 0 | | | | | 26 | 8 | 34 | |
| JSSC | PRINTED- | 4101 | 1330 | 9791 | 68 | 55 | 60 | 9974 | 59 | | | | 33 | 11396 | 3680 | 15076 | |
| JSSC | MICRO- | 4102 | 4 | 153 | 2 | 1 | 5 | 161 | 1 | | | | | 166 | 55 | 221 | |
| JLT | PRINTED- | 4301 | 300 | 2681 | 14 | 30 | 16 | 2741 | 12 | | | | 3 | 3056 | 1724 | 4780 | |
| JLT | MICRO- | 4302 | 3 | 38 | 3 | 0 | 2 | 43 | 1 | | | | | 47 | 26 | 73 | |
| JECM | PRINTED- | 4601 | 164 | 805 | 4 | 3 | 5 | 817 | 2 | | | | 1 | 984 | 367 | 1351 | |
| JECM | MICRO- | 4602 | 2 | 10 | 0 | 1 | 1 | 12 | 0 | | | | | 13 | 3 | 16 | |
| MC&D | PRINTED- | 3131 | 3057 | 17739 | 165 | 131 | 107 | 18142 | 82 | | | | 10 | 21291 | 9406 | 30697 | |
| MC&D | MICRO- | 3132 | 0 | 14 | 0 | 0 | 2 | 16 | 0 | | | | | 16 | | 16 | |
| SM | PRINTED- | 1451 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| SM | MICRO- | 1452 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| NN | PRINTED- | 1491 | 826 | 2725 | 8 | 11 | 22 | 2766 | 17 | | | | 4 | 3613 | | 3613 | |
| NN | MICRO- | 1492 | 0 | 20 | 0 | 0 | 0 | 20 | 0 | | | | | 20 | | 20 | |
| TOT SOC MEMBERSHIP | | | 43626 | 264430 | 6399 | 2045 | 1879 | 274753 | 26747 | 345126 | 67081 | 412207 | | | | | 3682 |
| CAS | 54 | | 68 | 903 | 3 | 0 | 7 | 913 | 97 | 1078 | 490 | 1568 | | | | | 1 |
| | | 1051 | 4 | 31 | 0 | 0 | 0 | 31 | 2 | | | | | 37 | | 37 | |
| | | 1391 | 64 | 865 | 2 | 0 | 7 | 874 | 95 | | | | 1 | 1034 | 487 | 1521 | |
| | | 1392 | 0 | 10 | 0 | 0 | 0 | 10 | 1 | | | | | 11 | 4 | 15 | |
| C | 66 | | 289 | 2711 | 19 | 0 | 19 | 2749 | 22 | 3060 | 1624 | 4684 | | | | | |
| | | 3061 | 77 | 485 | 3 | 0 | 1 | 489 | 6 | | | | | 572 | 252 | 824 | |
| | | 3062 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | 1 | 2 | |
| | | 3071 | 92 | 1027 | 5 | 0 | 9 | 1041 | 2 | | | | | 1135 | 535 | 1670 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3072 | 0 | 13 | 0 | 0 | 0 | 13 | 0 | | | | | 13 | 3 | 16 | |
| | | 3111 | 44 | 329 | 0 | 0 | 0 | 329 | 1 | | | | | 374 | 216 | 590 | |
| | | 3112 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | 3 | 4 | |
| | | 3121 | 45 | 420 | 4 | 0 | 4 | 428 | 4 | | | | | 477 | 291 | 768 | |
| | | 3122 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | | | | | 6 | | 6 | |
| | | 3151 | 54 | 805 | 11 | 0 | 6 | 822 | 11 | | | | | 887 | 622 | 1509 | |
| | | 3152 | 0 | 5 | 0 | 0 | 1 | 5 | 0 | | | | | 6 | 3 | 9 | |
| EMB | 68 | | 68 | 356 | 4 | 0 | 2 | 362 | 32 | 462 | 241 | 703 | | | | | |
| | | 1191 | 68 | 351 | 4 | 0 | 2 | 357 | 32 | | | | | 457 | 239 | 696 | |
| | | 1192 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | | | | | 6 | 2 | 8 | |
| COM | 69 | | 211 | 3514 | 24 | 0 | 34 | 3572 | 949 | 4732 | 1961 | 6693 | | | | | |
| | | 3171 | 189 | 3310 | 22 | 0 | 30 | 3362 | 946 | | | | 3 | 4500 | 1950 | 6450 | |
| | | 3172 | 1 | 32 | 0 | 0 | 0 | 32 | 2 | | | | | 35 | 20 | 55 | |
| | | 3191 | 27 | 248 | 4 | 0 | 5 | 257 | 7 | | | | | 291 | | 291 | |
| | 81 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1 | 1 | | | | | |
| | | 3181 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 1 | 1 | |
| DEI | 82 | | 3 | 672 | 37 | 0 | 6 | 715 | 3 | 721 | 170 | 891 | | | | | |
| | | 3141 | 3 | 667 | 36 | 0 | 6 | 709 | 3 | | | | | 715 | 168 | 883 | |
| | | 3142 | 0 | 5 | 1 | 0 | 0 | 6 | 0 | | | | | 6 | 3 | 9 | |
| NN | 96 | | 154 | 761 | 3 | 0 | 4 | 768 | 224 | 1146 | | 1146 | | | | | |
| | | 1491 | 154 | 760 | 3 | 0 | 4 | 767 | 223 | | | | | 1144 | | 1144 | |
| | | 1492 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | | | | | 3 | | 3 | |
| M-C& | 98 | | 42 | 247 | 1 | 0 | 3 | 251 | 9 | 302 | | 302 | | | | | |
| | | 3131 | 42 | 245 | 1 | 0 | 3 | 249 | 9 | | | | | 300 | | 300 | |
| | | 3132 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | 2 | | 2 | |
| MIC | 99 | | 51 | 399 | 3 | 0 | 2 | 404 | 66 | 521 | 217 | 738 | | | | | |
| | | 1381 | 51 | 399 | 3 | 0 | 2 | 404 | 66 | | | | | 521 | 216 | 737 | |
| | | 1382 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 2 | 2 | |
| SPEC | 100 | | 25 | 498 | 18 | 0 | 0 | 516 | 0 | 541 | 92 | 633 | | | | | |
| | | 5001 | 24 | 362 | 9 | 0 | 0 | 371 | 0 | | | | | 395 | 75 | 470 | |
| | | 5002 | 1 | 138 | 9 | 0 | 0 | 147 | 0 | | | | | 148 | 19 | 167 | |
| PROC | 101 | | 2211 | 26767 | 703 | 0 | 193 | 27663 | 1 | 29875 | 6925 | 36800 | | | | | |
| | | 5011 | 2206 | 26430 | 683 | 0 | 191 | 27304 | 1 | | | | 34 | 29545 | 6907 | 36452 | |
| | | 5012 | 6 | 389 | 20 | 0 | 2 | 411 | 0 | | | | | 417 | 82 | 499 | |
| | 102 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 848 | 848 | | | | | |
| | | 5021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 848 | 848 | |
| EMR | 104 | | 1 | 1120 | 0 | 0 | 9 | 1129 | 0 | 1130 | 300 | 1430 | | | | | |
| | | 3011 | 1 | 1113 | 0 | 0 | 9 | 1122 | 0 | | | | 1 | 1124 | 295 | 1419 | |
| | | 3012 | 0 | 8 | 0 | 0 | 0 | 8 | 0 | | | | | 8 | 5 | 13 | |
| STM | 106 | | 1562 | 1111 | 2 | 0 | 14 | 1127 | 0 | 2689 | 959 | 3648 | | | | | |
| | | 5061 | 1562 | 1111 | 2 | 0 | 14 | 1127 | 0 | | | | | 2689 | 959 | 3648 | |
| DIR | 107 | | 4 | 912 | 35 | 0 | 3 | 950 | 37 | 991 | 377 | 1368 | | | | | |
| | | 5071 | 4 | 912 | 35 | 0 | 3 | 950 | 37 | | | | 2 | 993 | 377 | 1370 | |
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| | | 6001 | 0 | 5 | 0 | 0 | 0 | 5 | 0 | | | | | 5 | 2 | 7 | |
| CCA | 305 | | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 3 | | | | | |
| | | 6011 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | 2 | 1 | 3 | |
| ECA | 315 | | 0 | 7 | 0 | 0 | 0 | 7 | 0 | 7 | 1 | 8 | | | | | |
| | | 6031 | 0 | 7 | 0 | 0 | 0 | 7 | 0 | | | | | 7 | 1 | 8 | |
| ECP | 320 | | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 3 | | | | | |
| | | 6041 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | | | | | 2 | 1 | 3 | |
| PA | 321 | | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | 1 | | | | | |
| | | 6021 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | | 1 | |
| | 325 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 3 | 3 | | | | | |
| | | 6051 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 3 | 3 | |
| | | 6052 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 1 | 1 | |
| CPE | 330 | | 1 | 36 | 0 | 0 | 0 | 36 | 0 | 37 | 27 | 64 | | | | | |
| | | 6101 | 1 | 36 | 0 | 0 | 0 | 36 | 0 | | | | 1 | 38 | 27 | 65 | |
| CPC | 331 | | 1 | 27 | 0 | 0 | 0 | 27 | 0 | 28 | 10 | 38 | | | | | |
| | | 6111 | 1 | 27 | 0 | 0 | 0 | 27 | 0 | | | | 1 | 29 | 10 | 39 | |
| CPP | 332 | | 0 | 9 | 0 | 0 | 2 | 11 | 0 | 11 | 5 | 16 | | | | | |
| | | 6121 | 0 | 9 | 0 | 0 | 2 | 11 | 0 | | | | 1 | 12 | 5 | 17 | |
| MBEC | 353 | | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 3 | | | | | |
| | | 6531 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | | | | 1 | 2 | 3 | |
| PSA | 400 | | 0 | 73 | 2 | 0 | 0 | 75 | 0 | 75 | 25 | 100 | | | | | |
| | | 6201 | 0 | 73 | 2 | 0 | 0 | 75 | 0 | | | | | 75 | 25 | 100 | |
| RC | 401 | | 5 | 29 | 0 | 0 | 1 | 30 | 0 | 35 | 25 | 60 | | | | | |
| | | 6211 | 5 | 29 | 0 | 0 | 1 | 30 | 0 | | | | | 35 | 25 | 60 | |
| AI | 402 | | 6 | 83 | 0 | 0 | 2 | 85 | 3 | 94 | 67 | 161 | | | | | |
| | | 6221 | 6 | 83 | 0 | 0 | 2 | 85 | 3 | | | | | 94 | 67 | 161 | |
| TC | 403 | | 1 | 77 | 1 | 0 | 0 | 78 | 1 | 80 | 43 | 123 | | | | | |
| | | 6231 | 1 | 77 | 1 | 0 | 0 | 78 | 1 | | | | | 80 | 43 | 123 | |
| EC | 404 | | 0 | 48 | 0 | 0 | 0 | 48 | 0 | 48 | 27 | 75 | | | | | |
| | | 6241 | 0 | 48 | 0 | 0 | 0 | 48 | 0 | | | | | 48 | 27 | 75 | |
| SD | 405 | | 0 | 53 | 0 | 0 | 0 | 53 | 0 | 53 | 19 | 72 | | | | | |
| | | 6251 | 0 | 53 | 0 | 0 | 0 | 53 | 0 | | | | | 53 | 19 | 72 | |
| MP | 406 | | 0 | 14 | 0 | 0 | 1 | 15 | 0 | 15 | 7 | 22 | | | | | |
| | | 6261 | 0 | 14 | 0 | 0 | 1 | 15 | 0 | | | | | 15 | 7 | 22 | |
| EI | 407 | | 0 | 25 | 1 | 0 | 0 | 26 | 0 | 26 | 19 | 45 | | | | | |
| | | 6271 | 0 | 25 | 1 | 0 | 0 | 26 | 0 | | | | | 26 | 19 | 45 | |
| AP | 408 | | 1 | 32 | 0 | 0 | 0 | 32 | 0 | 33 | 15 | 48 | | | | | |
| | | 6281 | 1 | 32 | 0 | 0 | 0 | 32 | 0 | | | | | 33 | 15 | 48 | |
| GE | 409 | | 0 | 39 | 0 | 0 | 0 | 39 | 0 | 39 | 14 | 53 | | | | | |
| | | 6291 | 0 | 39 | 0 | 0 | 0 | 39 | 0 | | | | | 39 | 14 | 53 | |
| CEP | 410 | | 0 | 8 | 0 | 0 | 0 | 8 | 0 | 8 | 7 | 15 | | | | | |
| | | 6301 | 0 | 8 | 0 | 0 | 0 | 8 | 0 | | | | | 8 | 7 | 15 | |
| CCS | 411 | | 1 | 22 | 0 | 0 | 0 | 22 | 0 | 23 | 17 | 40 | | | | | |
| | | 6311 | 1 | 22 | 0 | 0 | 0 | 22 | 0 | | | | | 23 | 17 | 40 | |
| SE | 412 | | 2 | 47 | 0 | 0 | 0 | 47 | 6 | 55 | 33 | 88 | | | | | |

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| | | 6321 | 2 | 47 | 0 | 0 | 0 | 47 | 0 | | | | | 55 | 33 | 88 | |
| AM | 413 | | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 12 | 13 | 25 | | | | | |
| | | 6331 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | | | | | 12 | 13 | 25 | |
| MV | 414 | | 1 | 19 | 0 | 0 | 0 | 19 | 1 | 21 | 8 | 29 | | | | | |
| | | 6341 | 1 | 19 | 0 | 0 | 0 | 19 | 1 | | | | | 21 | 8 | 29 | |
| MX | 415 | | 0 | 15 | 0 | 0 | 0 | 15 | 0 | 15 | 5 | 20 | | | | | |
| | | 6351 | 0 | 15 | 0 | 0 | 0 | 15 | 0 | | | | | 15 | 5 | 20 | |
| MT | 416 | | 0 | 14 | 0 | 0 | 0 | 14 | 0 | 14 | 7 | 21 | | | | | |
| | | 6361 | 0 | 14 | 0 | 0 | 0 | 14 | 0 | | | | | 14 | 7 | 21 | |
| | 417 | | 0 | 25 | 0 | 0 | 0 | 25 | 0 | 25 | 27 | 52 | | | | | |
| | | 6371 | 0 | 25 | 0 | 0 | 0 | 25 | 0 | | | | | 25 | 27 | 52 | |
| | 418 | | 1 | 5 | 0 | 0 | 0 | 5 | 1 | 7 | 3 | 10 | | | | | |
| | | 6381 | 1 | 5 | 0 | 0 | 0 | 5 | 1 | | | | | 7 | 3 | 10 | |
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| | | -2 | 14 | 14 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 22 | 22 |
| MASSP | 001 | 310-1 | 128 | 104 | 10 | 10 | 37 | 21 | 55 | 1 | 1 | 2 | 13 | 14 | 27 | 51 | 174 | 198 |
| | | -2 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 9 | 9 |
| SC | 002 | 101-1 | 102 | 61 | 14 | 14 | 63 | 40 | 96 | 6 | 3 | 9 | 30 | 28 | 56 | 99 | 187 | 236 |
| | | -2 | 3 | 3 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 9 | 8 |
| AP | 003 | 104-1 | 481 | 273 | 23 | 23 | 255 | 177 | 380 | 11 | 20 | 30 | 58 | 84 | 140 | 324 | 785 | 846 |
| | | -2 | 5 | 5 | 1 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 13 | 12 |
| M-AP | 003 | 320-1 | 21 | 6 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 22 | 11 |
| | | -2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CAS | 004 | 105-1 | 535 | 324 | 24 | 24 | 243 | 149 | 364 | 18 | 24 | 42 | 59 | 123 | 177 | 320 | 855 | 931 |
| | | -2 | 18 | 18 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 0 | 27 | 26 |
| CAD | 004 | 139-1 | 314 | 197 | 12 | 12 | 133 | 88 | 209 | 9 | 4 | 13 | 26 | 50 | 76 | 168 | 468 | 507 |
| | | -2 | 10 | 10 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 14 | 14 |
| NS | 005 | 106-1 | 376 | 202 | 15 | 15 | 165 | 110 | 246 | 6 | 7 | 13 | 10 | 30 | 40 | 181 | 538 | 516 |
| | | -2 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 4 |
| PS | 005 | 107-1 | 142 | 77 | 7 | 7 | 60 | 32 | 86 | 1 | 5 | 6 | 10 | 17 | 27 | 71 | 203 | 203 |
| | | -2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 3 |
| VT | 006 | 108-1 | 134 | 86 | 17 | 17 | 101 | 52 | 144 | 2 | 3 | 5 | 28 | 23 | 49 | 131 | 229 | 301 |
| | | -2 | 2 | 2 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 9 | 8 |
| R | 007 | 109-1 | 495 | 316 | 24 | 22 | 215 | 158 | 351 | 18 | 13 | 31 | 59 | 76 | 134 | 292 | 766 | 854 |
| | | -2 | 12 | 12 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 20 | 19 |
| CE | 008 | 102-1 | 210 | 105 | 17 | 17 | 146 | 68 | 184 | 11 | 8 | 19 | 38 | 56 | 93 | 195 | 359 | 418 |
| | | -2 | 5 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 8 | 8 |
| IM | 009 | 110-1 | 459 | 269 | 29 | 29 | 217 | 118 | 311 | 29 | 33 | 61 | 80 | 140 | 215 | 326 | 779 | 885 |
| | | -2 | 17 | 17 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 24 | 24 |
| AES | 010 | 111-1 | 392 | 232 | 21 | 21 | 197 | 103 | 263 | 6 | 5 | 11 | 36 | 68 | 102 | 239 | 589 | 629 |
| | | -2 | 4 | 4 | 2 | 2 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 11 | 10 |
| M-AES | 010 | 310-1 | 75 | 55 | 2 | 2 | 21 | 13 | 31 | 0 | 0 | 0 | 7 | 5 | 12 | 28 | 95 | 100 |
| | | -2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IT | 012 | 112-1 | 548 | 318 | 21 | 20 | 201 | 136 | 321 | 11 | 12 | 23 | 42 | 68 | 127 | 254 | 805 | 809 |
| | | -2 | 11 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 17 | 16 |

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| | | -2 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 9 | 9 |
| EM | 014 | 114-1 | 318 | 255 | 21 | 21 | 88 | 54 | 139 | 10 | 9 | 19 | 45 | 51 | 93 | 143 | 453 | 527 |
| | | -2 | 8 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 13 | 12 |
| EMR | 014 | 301-1 | 128 | 121 | 10 | 10 | 12 | 17 | 28 | 8 | 3 | 11 | 15 | 13 | 27 | 35 | 171 | 197 |
| | | -2 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 11 | 11 |
| ED | 015 | 115-1 | 682 | 334 | 23 | 23 | 260 | 135 | 357 | 8 | 7 | 15 | 41 | 71 | 110 | 310 | 918 | 839 |
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| EDL | 015 | 304-1 | 266 | 164 | 6 | 6 | 84 | 55 | 122 | 3 | 1 | 4 | 10 | 21 | 31 | 97 | 369 | 327 |
| | | -2 | 10 | 10 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 14 | 14 |
| JECMA | 015 | 460-1 | 135 | 21 | 3 | 3 | 11 | 8 | 19 | 0 | 0 | 0 | 6 | 5 | 11 | 17 | 151 | 54 |
| | | -2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| C | 016 | 116-1 | 1,128 | 678 | 56 | 53 | 404 | 322 | 663 | 25 | 40 | 65 | 96 | 198 | 289 | 525 | 1,744 | 1,748 |
| | | -2 | 30 | 30 | 3 | 3 | 0 | 3 | 3 | 0 | 1 | 1 | 0 | 6 | 5 | 0 | 43 | 42 |
| SE | 016 | 117-1 | 940 | 628 | 56 | 56 | 446 | 389 | 752 | 30 | 30 | 58 | 77 | 148 | 218 | 553 | 1,563 | 1,712 |
| | | -2 | 24 | 24 | 2 | 2 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 5 | 0 | 35 | 34 |
| PAMI | 016 | 135-1 | 550 | 332 | 31 | 30 | 220 | 148 | 354 | 2 | 12 | 14 | 38 | 65 | 103 | 260 | 806 | 833 |
| | | -2 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 9 | 9 |
| KDE | 016 | 147-1 | 125 | 87 | 9 | 8 | 23 | 29 | 51 | 4 | 0 | 4 | 11 | 19 | 29 | 38 | 182 | 179 |
| | | -2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 4 |
| PDS | 016 | 150-1 | 39 | 22 | 3 | 3 | 4 | 3 | 7 | 0 | 0 | 0 | 1 | 2 | 3 | 5 | 47 | 35 |
| | | -2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M-C | 016 | 300-1 | 1,353 | 951 | 118 | 101 | 416 | 354 | 682 | 29 | 36 | 65 | 94 | 196 | 283 | 539 | 2,057 | 2,082 |
| | | -2 | 23 | 23 | 3 | 3 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 3 | 0 | 31 | 31 |
| M-GGA | 016 | 306-1 | 806 | 558 | 56 | 55 | 325 | 229 | 527 | 14 | 25 | 37 | 73 | 117 | 186 | 412 | 1,233 | 1,363 |
| | | -2 | 14 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 18 | 18 |
| MMICR | 016 | 307-1 | 536 | 417 | 44 | 44 | 170 | 157 | 309 | 18 | 17 | 34 | 60 | 83 | 137 | 248 | 837 | 941 |
| | | -2 | 15 | 15 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 3 | 0 | 21 | 21 |
| M-DBT | 016 | 311-1 | 270 | 198 | 12 | 12 | 101 | 64 | 155 | 9 | 5 | 14 | 24 | 34 | 58 | 134 | 385 | 437 |
| | | -2 | 6 | 6 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 9 | 9 |
| MSOFT | 016 | 312-1 | 653 | 506 | 53 | 50 | 234 | 215 | 422 | 19 | 18 | 37 | 51 | 82 | 131 | 304 | 1,021 | 1,146 |
| | | -2 | 15 | 15 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 21 | 21 |

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| 30 | 54 | 90 | 145 | 231 | 534 | 1,286 | 1,391 |
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| 8 | 17 | 38 | 52 | 87 | 215 | 499 | 612 |
| 1 | 1 | 0 | 5 | 5 | 0 | 17 | 17 |
| 8 | 22 | 54 | 86 | 139 | 219 | 754 | 817 |
| 0 | 0 | 0 | 5 | 4 | 0 | 23 | 22 |
| 6 | 16 | 47 | 46 | 87 | 187 | 672 | 713 |
| 1 | 1 | 0 | 4 | 4 | 0 | 14 | 14 |
| 1 | 1 | 0 | 1 | 1 | 4 | 30 | 25 |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 2 | 5 | 15 | 28 | 43 | 102 | 320 | 319 |
| 0 | 0 | 0 | 1 | 1 | 0 | 5 | 5 |
| 5 | 8 | 26 | 26 | 50 | 162 | 413 | 462 |
| 0 | 0 | 0 | 3 | 3 | 0 | 15 | 15 |
| 0 | 3 | 8 | 16 | 24 | 47 | 179 | 192 |
| 0 | 0 | 0 | 1 | 1 | 0 | 5 | 5 |
| 27 | 58 | 82 | 144 | 203 | 364 | 1,050 | 1,076 |
| 1 | 1 | 0 | 2 | 2 | 0 | 26 | 26 |
| 5 | 16 | 34 | 31 | 63 | 92 | 242 | 307 |
| 1 | 1 | 0 | 0 | 0 | 0 | 5 | 5 |
| 2 | 10 | 20 | 45 | 70 | 104 | 400 | 401 |
| 0 | 0 | 0 | 1 | 1 | 0 | 4 | 4 |
| 10 | 20 | 23 | 38 | 59 | 84 | 265 | 282 |
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| 0 | 0 | 0 | 4 | 3 | 0 | 17 | 16 | |
| 19 | 31 | 30 | 72 | 100 | 219 | 861 | 794 | |
| 0 | 0 | 0 | 3 | 2 | 0 | 22 | 21 | |
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| 0 | 0 | 0 | 6 | 0 | 0 | 8 | 8 | |
| 26 | 53 | 61 | 90 | 145 | 222 | 550 | 590 | |
| 1 | 1 | 0 | 0 | 0 | 0 | 11 | 11 | |
| 33 | 66 | 75 | 98 | 166 | 264 | 600 | 657 | |
| 1 | 1 | 0 | 0 | 0 | 0 | 9 | 9 | |
| 40 | 78 | 88 | 118 | 197 | 324 | 676 | 779 | |
| 1 | 1 | 0 | 2 | 1 | 0 | 12 | 10 | |
| 9 | 19 | 18 | 24 | 38 | 78 | 153 | 216 | |
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| 1 | 6 | 9 | 16 | 25 | 22 | 115 | 106 | |
| 1 | 1 | 0 | 0 | 0 | 0 | 4 | 4 | |
| 12 | 26 | 36 | 43 | 76 | 145 | 314 | 352 | |
| 0 | 0 | 0 | 2 | 1 | 0 | 7 | 6 | |
| 4 | 11 | 8 | 8 | 16 | 40 | 97 | 132 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | |
| 10 | 18 | 21 | 46 | 67 | 208 | 664 | 549 | |
| 0 | 0 | 0 | 2 | 2 | 0 | 11 | 11 | |
| 1 | 1 | 5 | 6 | 11 | 28 | 181 | 181 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 33 | 74 | 70 | 100 | 168 | 276 | 650 | 758 | |
| 0 | 0 | 0 | 1 | 1 | 0 | 12 | 12 | |
| 12 | 25 | 38 | 52 | 89 | 139 | 304 | 367 | |
| 6 | 0 | 0 | 2 | 2 | 0 | 10 | 9 | |

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| 0 | 1 | 4 | 4 | 8 | 11 | 58 | 64 | |
| 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | |
| 0 | 0 | 1 | 0 | 1 | 4 | 46 | 34 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 9 | 5 | 14 | 27 | 154 | 132 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | |
| 6 | 14 | 26 | 34 | 59 | 76 | 313 | 343 | |
| 0 | 0 | 0 | 2 | 2 | 0 | 14 | 14 | |
| 4 | 6 | 5 | 19 | 24 | 61 | 185 | 211 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | |
| 0 | 1 | 14 | 11 | 23 | 65 | 285 | 289 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11 | 24 | 49 | 66 | 113 | 314 | 794 | 827 | |
| 0 | 0 | 0 | 4 | 4 | 0 | 25 | 25 | |
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| 777 | 1,537 | 2,534 | 4,028 | 6,414 | 13,144 | 38,320 | 40,718 | |
| 0 | 11 | 11 | 0 | 172 | 149 | 0 | 863 | 838 |

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THE INSTITUTE OF
ELECTRICAL AND
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ENGINEERS, INC.

IEEE SINGAPORE SECTION

PLEASE REPLY TO:

15 February 1990

Dr. Robert J Marks II
President IEEE Neural Networks Council
University of Washington, FT-10
Dept. of Electrical Engineering
Seattle
Washington 98195
USA

FAX : (206) 543 3842

Dear Dr. Marks,

Thank you for your letter of appointment of 21 JAnuary 1990. The Singapore Section will endeavor to make the 1991 meeting in Singapore a success. We look forward to the support of your

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# IEEE NEURAL NETWORKS COUNCIL

**Russell C. Eberhart, Ph.D.**
**Vice President**
Telephone: 301-953-5037
Fax: 301-953-1093
E-mail: rce1@aplvm.bitnet

*Please reply to:*
JHU Applied Physics Laboratory
Johns Hopkins Road
Laurel, Maryland 20707 U.S.A.

February 20, 1990

Mr. Herbert E. Rauch, Editor
IEEE Transactions on Neural Networks
Lockheed 92-20/254 E
3251 Hanover Street
Palo Alto, CA 94304

Dear Herb,

Enclosed is the Letter I am submitting to the IEEE Transactions on Neural Networks relative to the IEEE Neural Networks Council (NNC) Ad Hoc Standards Committee's efforts to work for a standard [illegible] for the neural [illegible] field. If you have any [illegible] and phone numbers

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# STANDARDIZATION OF NEURAL NETWORK TERMINOLOGY

*Russell C. Eberhart*
*Vice President, IEEE Neural Networks Council*
*The Johns Hopkins University Applied Physics Laboratory*
*Johns Hopkins Road*
*Laurel, Maryland 20707 U.S.A.*
*RCE1@APLVM.BITNET*

## ABSTRACT

A need exists to move toward commonly accepted terminology in the neural network field. The IEEE Neural Networks Council has established an Ad Hoc Standards Committee to pursue this effort.

## INTRODUCTION

The field of artificial neural networks is experiencing explosive growth. With all of the neural network applications currently working and under active development, it is obvious that neural networks are here to stay. The establishment by the IEEE of the Neural Networks Council (NNC), and these Transactions on Neural Networks, reflects the high level of interest by engineers and scientists.

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held in San Diego in June 1990. The next meetings will be held at the IJCNN's in Seattle in July, 1991, and in Singapore in November, 1991.

**GLOSSARY**

The first efforts at terminology and notation standardization will focus on terms and symbols that are frequently used in the neural networks literature. Terminology has originated in a variety of domains such as engineering, mathematics, biology, physics, etc. Terms often seem to be used without there being a solid understanding of their exact meaning.

A proposed list of terms to be considered by the committee is presented below. The list is not meant to be exhaustive, but rather to represent basic, frequently used terms:

Activation function, activation rule, activation state, activation value, adaptive resonance, architecture, associative memory, axon, back propagation, batch training, bias, bundle, cell, competitive learning, connection, connection strength, delta rule, dendrite, distributed representation, element, epoch, epoch training, error term, error signal, fan-in, fan-out, feedback network, feedforward network, generalization, generalized delta rule, gradient descent, Hebbian learning rule, Hinton diagram,

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**Activation function** - Algorithm for computing the activation value of a neurode as a function of its net input. Net input is typically the sum of the weighted inputs to the neurode.

**Back propagation** - A learning rule for multilayer feedforward networks in which weights are adjusted by backward propagation of the error signal from outputs to inputs.

**Competitive learning** - Unsupervised learning scheme in which neurodes compete with each other for the right to respond to a given subset of inputs. When a neurode responds to an input pattern, it tends to inhibit other neurodes. After learning, neurodes become feature detectors.

**Feedforward network** - Network ordered into layers with no feedback paths. The lowest layer is the input layer, the highest is the output layer. The outputs of a given layer go only to higher layers, and its inputs come only from lower layers.

**Self-organization** - Unsupervised learning neural network. Adjusts its weights to reflect the probability distribution of features that are found in the input patterns.

**Supervised learning** - Learning procedure in which a network is presented with a set of input pattern, target pairs. The network can compare its output to the target and adapt itself according to

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January 4, 1990 (201) 562-3861

Robert J. Marks
University of Washington
Dept. Electrical Engineering
Interactive Systems Design Lab
Seattle, WA 98195

Dear Mr. Marks:

Enclosed at your request is check for $59.64 to reimburse

you for expenses incurred on behalf of the IEEE Neural Network

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READ INSTRUCTIONS ON REVERSE SIDE OF YELLOW COPY AND REFER TO IEEE TRAVEL REIMBURSEMENT MANUAL BEFORE COMPLETING THIS FORM

IEEE

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## EXPENSE REPORT FOR PERIOD ENDING _____ 19_____

(NAME)
ROBERT J. MARKS II
(ADDRESS TO SEND CHECK)
DEPT OF ELECTRICAL ENGIN.
UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

**TRAVELING IN CAPACITY OF (CHECK ONE)**

☐ MEMBER OF IEEE STAFF _____ (Dept.)
☐ MEMBER OF IEEE BD. OF DIRECTORS/EXECUTIVE COMM.
☐ IEEE REGIONAL DIRECTOR
☐ IEEE STANDING BOARD OR COMMITTEE REPRESENTATIVE
IEEE Council on Neural Nets
(Name of Board or Committee)

TRIP AUTHORIZATION NO. _____

PROVIDE DETAILS AND FULL SUPPORT ON ITEMS (1), THROUGH (5)

PURPOSE OF TRIP – NOTE EACH DAY'S ACTIVITY

| DETAILS | | JAN 13 Arrive of Sat for Airline Discount | Meet with NNC VP & ICNN Chair | Meetings NNC Comm. Dinner | Newsletter Editor | Newsletter | Copying | Adcom Dinner | TOTAL EXPENSE | CHARGED DIRECT TO IEEE (5) |
|---|---|---|---|---|---|---|---|---|---|---|
| | DATE | 1/13 | 1/14 | 1/15 | 1/16 | 1/16 | | 1/16 | | |
| | TOWN | Wash DC | | | | | | | | |
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(201) 562- 3873
FAX: (201) 562-1571

March 29, 1990

Dr. Robert Marks
Institut De Recherche Et
D'Enseignement Superieur
Aux Techniques De L'Electronique
La Chantrerie - CP 3003
44087 Nantes Cedex 3
FRANCE

Fax: 011-33-40-68-30-66

Dear Bob:

Hello from the States. I have reviewed the fax you sent, and in this particular case, the decision on whether Burke is paid, rests with you as President of NNC. However, please keep in mind that (1) use of Mr. Burke's name in your flyer indicated that he would be speaking at IJCNN, (2) if Mr. Burke has to cancel an airline ticket, he will probably pay a percentage of the ticket as a penalty, and (3) if you decide you do not wish to pay Mr. Burke his cancellation fee, you may have to bring IEEE attorneys and Eric Herz into this matter (as can happen in many instances, the cost of the litigation to NNC may exceed the cancellation fee).

I hope the above is helpful to you. Please advise us of your decision.

Sincerely,

Laura S. Jobmann

Laura S. Jobmann
Administrator
Conference Services Department

LSJ: vac

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March 21, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

A rather awkward problem has arisen in connection with the James Burke matter. Bart Kosko informed Burke's U.S. agent , a Mr. Carleton Sedgely, that we had decided not to sign the contract. The matter rested there for a while; but now Mr. Sedgely has gotten back to Bart, breathing fire.

Mr. Sedgely claims that we had used Burke's name in our flyer, that Burke has already arranged his travel plans Tokyo-San Diego-Australia, etc.,etc.,etc. and making all kinds of threats. I called Mr. Sedgely this afternoon and had a long and reasonably amicable conversation. The bottom line is that Sedgely wants us to pay a cancellation fee of $ 3500.00.

I have (and have always had) mixed feelings about this whole matter. But my preference now would be to pay the fee - to charge it to contingencies, and to put the issue to bed. The fee certainly won't break us, and I doubt that any IEEE principles would be violated. The alternative is to prepare for a long and drawn-out series of hassles. In any event, the final decision is up to you.

A problem is that Mr. Sedgely wants to hear our decision "as soon soon as possible". I am leaving Friday, March 23, for eight days in Europe. I hope that this FAX reaches you promptly and that you can FAX your reply back to me before the end of Thursday (your time). If not, I will be at the Hotel Central in Zurich from Saturday evening until March 31. Please contact me there so that I can relay our decision back to Mr. Sedgely by phone.

Best regards,

Walt

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Tél.: (33) 40 68 30 00

## MESSAGE TELECOPIE

## FAX MESSAGE

A : Walter Karplus
TO :

DE LA PART DE : Bob Marks
FROM :

SUJET : 1.19.1.212.825.2273
SUBJECT :

REFERENCE

DATE : 3/17/90
DATE :

FAX destinataire :
SENT to FAX :

FAX Origine : (33) 40 68 30 66
SENT by FAX :

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) :

Walter: The IJCNN sponsors are all outdated. First, the NN Committee is now the: IEEE Neural Networks Council. No reference to TAB (Technical Activities Board) should be made. I think it's a good idea to include an updated list in the Proceedings. I have asked Valerie to FAX to you the list. There are 12 member Societies and 4 Officers. The Presidents of the Societies do not need to be listed. Many of these people do unrecognized work behind the scenes. The recognition is good.

Best regards
Bob

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The five people it is very urgent to contact are :

| | |
|---|---|
| . L. COOPER | (To be member of the Program Committee and to chair or co-chair a session in the Commercial part). |
| . C. VON DER MALSBURG | (Program Committee Implementation chair). |
| . D. RUMELHART | (Program Committee Implementation chair). |
| . T. SEJNOWSKI | (Program Committee Applications chair). |
| . S.I. AMARI | (Program Committee Theory chair). |

since the Program Committee has to be publicized very soon.

The next people to contact are the following :

| | |
|---|---|
| . F. FUKUSHIMA | (Applications chair) |
| . J. HINTON | (Applications chair) |
| . C. MEAD | (Implementation chair) |
| . D. PSALTIS | (Implementation chair) |
| . V.I. KRYUKOV | (Implementation chair) |
| . S. GROSSBERG | (Theory chair) |
| . J. ANDERSON | (Theory chair) |
| . J. HOPFIELD | (Theory chair) |
| . C. ELBAUM | (Commercial chair) |
| . L. JACKEL | (Commercial chair) |
| . R. HECHT-NIELSEN | (Commercial chair) |

Please, let me know, as regulary as possible, the names of those who have accepted and those who refused.

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# COMPUTER SCIENCE DEPARTMENT

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Company:

FAX No. 011-33-40-683066

Sender: PROF WALTER J. KARPLUS

Sender's Phone No. 213 8252929

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March 15, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

Nomi needs to know as soon as possible whether you would like the officers of the sponsors to be listed in the Proceedings. We don't really need to do this, but it can't hurt.

I am enclosing a copy of the page from the IJCNN '89 Proceedings. If you want the names to appear, please make any necessary corrections and FAX back to me.

Best regards,

Walter

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The IEEE Technical Activities Board Neural Network Committee and the International Neural Network Society are the co-sponsors of the 1989 International Joint Conference on Neural Networks.

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Chair, Neural Network Committee: Robert J. Marks, II, University of Washington

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Representative: B. H. Juang, AT&T Bell Laboratories
Representative: Richard P. Lippman, MIT Lincoln Labs

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Representative: Don Bouldin, University of Tennessee
Representative: Nicholas DeClaris, National Science Foundation

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| . S. GROSSBERG | (Theory chair) |
| . J. ANDERSON | (Theory chair) |
| . J. HOPFIELD | (Theory chair) |
| . C. ELBAUM | (Commercial chair) |
| . L. JACKEL | (Commercial chair) |
| . R. HECHT-NIELSEN | (Commercial chair) |

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(213) 825-2273 FAX

## FAX TRANSMITTAL

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Company:

FAX No. 011-33-40-683066

Sender: PROF WALTER J. KARPLUS

Sender's Phone No. 213 8252929

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March 15, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

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Best regards,

Walter

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## FAX TRANSMITTAL

Date Sent: 7 MARCH Time Sent: 5:30PM

Addressee: PROF ROBERT MARKS / C.S. PROF THOMAS

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SCHOOL OF ENGINEERING AND APPLIED SCIENCE
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90024-1600

March 7, 1990

Prof. Robert Marks
c/o Prof Thomas

Dear Bob:

I hope that you are having a great time in France and apologize for burdening you with a mundane matter.

The following has to do with the budget for the IJCNN 90:

At the Denver Adcom meeting I received approval to publish the Proceedings in three volumes. It was also decided to publish all accepted papers in full (ie no abstract only). The budget for the printing of the proceeding was $ 55.2 K, 69 K and 82.8 K for 1600, 2000 and 2400 attendees respectively.

It now appears that if a large portion of the 540 submitted papers is accepted, the total page count will be around 3200. It is not practical to have more than 800 pages or so in a volume (cost increase sharply at the point where some things have to be done by hand rather than automatically - and that happens if the pages in a volume exceed a threshold). So the alternatives are:

1. Publish 4 volumes

2. Reject papers that would otherwise have been accepted

I strongly favor the first option. In fact we would have a revolution on our hands if we asked session organizers to reject papers only because we are too cheap to publish them. So here is what it will cost, in accordance with the latest and best bids that we have received:

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3 volumes - $ 55,500 4 volume - 74,000

These figures are for press runs of 3000 copies. Remember that we are committed to sell to the IEEE (at cost or less) around 750 copies.
So the cost will go up or down depending on what attendance we project when we place the final order next month.

Note that the bid that we have received, and that Nomi likes, is less than we had projected in the budget. Also, Nomi tells me that we can expect to take in around $ 16,000 for page charges (for papers exceeding six pages in length).

So the long and the short of it is that going to 4 volumes will not have a significant effect on the bottom line. But I still chose to let you know all this, since it does a constitute a departure from our original plans. Please let me know what you think.

Aside from the above, there are no major problems. Burke's name has been dropped from the conference announcements. I continue to worry about attendance, though less so than I did before all those papers came in. We may still have to put our heads together and decide on last-minute advertising, reducing expenses,etc. But at the moment things are going well.

Best regards

Walter

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March 29, 1990

Dr. Robert Marks
Institut De Recherche Et
D'Enseignement Superieur
Aux Techniques De L'Electronique
La Chantrerie - CP 3003
44087 Nantes Cedex 3
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Fax: 011-33-40-68-30-66

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I hope the above is helpful to you. Please advise us of your decision.

Sincerely,

Laura S. Jobmann

Laura S. Jobmann
Administrator
Conference Services Department

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IRESTE

INSTITUT DE RECHERCHE ET D'ENSEIGNEMENT SUPERIEUR
AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

# MESSAGE TELECOPIE

## FAX MESSAGE

A :
*TO :* Prof. Walter Karplus

DE LA PART DE :
*FROM :* Bob Marks

SUJET :
*SUBJECT :* Signed!

REFERENCE

DATE :
*DATE :* 3/17/90

FAX destinataire :
*SENT to FAX :* 1.19.1.213.825.2273

FAX Origine : (33) 40 68 30 66
*SENT by FAX :*

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) : 2

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1990 IEEE Neural Networks Council Document
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Conference Title: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***

SDSU
Conference Center
by William G. Woodrow; Associate Director,
Marketing and Conference Services
Housing and Residential Life Office

Executed
at:_____ on_____
City State Date

SDSU
Foundation
by S. Kent Gibson, Director
Grants and Contracts Administration

Client X R.J. Marks II
R.J. MARKS II, PRESIDENT, IEEE Council on Neural Networks

Executed
at: X Nantes, France on X March 13, 1990
City ~~State~~ Date

All checks should be make payable to: SDSU Foundation

**CONTRACT AND DEPOSIT #1 MUST BE RETURNED TO THE CONFERENCES MANAGER BY:**

March 22, 1990

Send the contract and deposits to:

William G. Woodrow
Conferences Manager
Housing and Residential Life Office
San Diego State University
San Diego, CA 92182-0568

Client's Mailing Address:

Dr. Walter Karplus
School of Engineering
Boelter Hall - 3732
U.C.L.A.
Los Angeles, CA 90024

Nomi Feldman
Meeting Management
5665 Oberlin Drive - 110
San Diego, CA 92121
453-6222

ccijcnn.690



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# ACCUSE DE RECEPTION

DUREE TOTALE: 01'18"  QUA: 000

| RESULTAT | HEURE | MODE | DUREE | PAGE |
|---|---|---|---|---|
| COPIE RECUE | 16:39 | G3-96 S | 00'35" | #2 |
| COPIE RECUE | 16:38 | G3-96 S | 00'43" | #1 |

POSTE APPELE: 213 825 2273  1990-03-08 16:37

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# IRESTE

INSTITUT DE RECHERCHE ET D'ENSEIGNEMENT SUPERIEUR
AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

## MESSAGE TELECOPIE

## FAX MESSAGE

A : Professor Walter KARPLUS
*TO :*

DE LA PART DE : Professor Robert MARKS
*FROM :*

SUJET :
*SUBJECT :*

REFERENCE

DATE : March 8, 1990.
*DATE :*

FAX destinataire : 19.1.213.825.22 73
*SENT to FAX :*

FAX Origine : (33) 40 68 30 66
*SENT by FAX :*

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) : 2

Robert J. Marks II Library Archive

Prof. Walter Karplus, UCLA
FAX (213) 825-2273

Dear Walter,

Please excuse the hand written note. I have not yet learned local word processing.

I do not have any objection to four volumes. If the quality and volume of submissions is sufficiently high, it seems that we are obligated to do so. Is it possible for the amount to come from the Chair's slush fund or some other appropriate category? If not, I totally trust your judgement on the matter.

All goes well here. The director of Ireste, Yves Thomas, had you as a Professor.

I will be returning home in April. Thank you, again, for doing a superb job in a difficult situation.

Best regards, Bob-

Robert J. Marks II

P.S. I have written Laura Jobmann at IEEE concerning NNC OK'ing your budget. We should be receiving a formal OK from IEEE soon.

1990 IEEE Neural Networks Council Document
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Prof. Walter Karplus, UCLA
FAX (213) 825-2273

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Best regards, Bob-

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# ACCUSE DE RECEPTION

DUREE TOTALE: 01'52"  QUA: 000

| RESULTAT | HEURE | MODE | DUREE | PAGE |
|---|---|---|---|---|
| COPIE RECUE | 16:27 | G3-48 S | 00'49" | #2 |
| COPIE RECUE | 16:26 | G3-48 S | 01'03" | #1 |

POSTE APPELE:  1990-03-08  16:25

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AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

# MESSAGE TELECOPIE

## FAX MESSAGE

A : HAL PHILIPP
*TO :*

DE LA PART DE : ROBERT MARKS
*FROM :*

SUJET :
*SUBJECT :*

REFERENCE

DATE : March 5, 1990 -
*DATE :*

FAX destinataire : 19. 1. 206. 869. 5371
*SENT to FAX :*

FAX Origine : (33) 40 68 30 66
*SENT by FAX :*

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) : 2

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HAL PHILIPP, Bellevue WA, USA
PHILIPP TECHNOLOGIES, FAX (206) 869-5371

Greetings from IRESTE in Nantes!

FYI, my FAX # here is (33) 40 68 30 66.

The phone in my apartment on the IRESTE campus is (33) 40 68 30 57.

One of my lectures here will be on the POC's design of Zamograms. I will be showing them Oh's snapshot software. I'll let you know of any interest.

My wife is making me relax. It's nerve racking to relax! I am going to try to polish the first two patents and pen a layman's Zamogram article - maybe in two parts as we discussed.

I am going to bed. They say it's relaxing.

Bob Marks

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HAL PHILIPP, Bellevue WA, USA
PHILIPP TECHNOLOGIES, FAX (206) 869-5371

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FYI, my FAX # here is (33) 40 68 30 66.

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Bob Marks

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Robert J. Marks II Library Archive



March 21, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

A rather awkward problem has arisen in connection with the James Burke matter. Bart Kosko informed Burke's U.S. agent , a Mr. Carleton Sedgely, that we had decided not to sign the contract. The matter rested there for a while; but now Mr. Sedgely has gotten back to Bart, breathing fire.

Mr. Sedgely claims that we had used Burke's name in our flyer, that Burke has already arranged his travel plans Tokyo-San Diego-Australia, etc.,etc.,etc. and making all kinds of threats. I called Mr. Sedgely this afternoon and had a long and reasonably amicable conversation. The bottom line is that Sedgely wants us to pay a cancellation fee of $ 3500.00.

I have (and have always had) mixed feelings about this whole matter. But my preference now would be to pay the fee - to charge it to contingencies, and to put the issue to bed. The fee certainly won't break us, and I doubt that any IEEE principles would be violated. The alternative is to prepare for a long and drawn-out series of hassles. In any event, the final decision is up to you.

A problem is that Mr. Sedgely wants to hear our decision "as soon soon as possible". I am leaving Friday, March 23, for eight days in Europe. I hope that this FAX reaches you promptly and that you can FAX your reply back to me before the end of Thursday (your time). If not, I will be at the Hotel Central in Zurich from Saturday evening until March 31. Please contact me there so that I can relay our decision back to Mr. Sedgely by phone.

Best regards,

Walter

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1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive



UCLA

# COMPUTER SCIENCE DEPARTMENT

(213) UCLA-CSD FAX
(213) 825-2273 FAX

## FAX TRANSMITTAL

Date Sent: 12 MARCH Time Sent: 5:30 PM

Addressee: PROF ROBERT MARKS / C.S. PROF THOMAS

Company:

FAX No 011-33-40-683066

Sender: PROF WALTER J. KARPLUS

Sender's Phone No. 213 8252929

Special Instructions/Comments

PLEASE TRANSMIT THIS TO
PROF THOMAS

Number of Pages (Including this page) 9

UCLA
COMPUTER SCIENCE DEPARTMENT
LOS ANGELES, CA 90024-1596

Robert J. Marks II Library Archive

03/05/90 12:30 FAX 2990 IEEE Neural Networks Council Document 001
Robert J. Marks II Library Archive

# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10
Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Professor Robert Marks To Professor Thomas

Name of Firm: Inreste

Location of Firm: France

Facsimile Telephone Number: 33-40-68-30-66

From: Valerie Phone: 543-6061

Charge Dept./Acct. 06-1030

THIS TRANSMISSION INCLUDING COVER PAGE CONTAINS 1 PAGES.

DATE: 3-5-90 TIME: 11:23

COMMENTS: Bob - Re your trip to Auburn Alabama - Travel needs your times of departure from Atlanta to Auburn & from Auburn to Atlanta. They can't process the voucher without this info.

Val.

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

Rev. 4/19/89

Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive



UCLA

# COMPUTER SCIENCE DEPARTMENT

(213) UCLA-CSD FAX
(213) 825-2273 FAX

## TRANSMITTAL

Date Sent: 3-22-90 Time Sent: 4PM

Addressee: PROF ROBERT MARKS

Company: C/O PROF THOMAS

FAX No. 011-33-40-683066

Sender: WALTER KARPLUS

Sender's Phone No. 213 825 2929

Special Instructions/Comments PLEASE GIVE TO PROF MARKS.
A SECOND COPY - JUST IN CASE.
STARTING SAT 3/24 UNTIL SAT 3/31 I WILL BE
AT HOTEL CENTRAL, ZURICH 19-41-1-251-5555
PLEASE TRY TO CALL ME BETWEEN 9 AND 10.30 PM
THANKS - WALTER

Number of Pages (Including this page) 2

UCLA
COMPUTER SCIENCE DEPARTMENT
LOS ANGELES, CA 90024-1596



Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive



March 21, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

A rather awkward problem has arisen in connection with the James Burke matter. Bart Kosko informed Burke's U.S. agent , a Mr. Carleton Sedgely, that we had decided not to sign the contract. The matter rested there for a while; but now Mr. Sedgely has gotten back to Bart, breathing fire.

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Best regards,

Walter

* TEL 41-1-251-5555

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# ACCUSE DE RECEPTION

DUREE TOTALE: 00'44"  QUA: 000

| RESULTAT | HEURE | MODE | DUREE | PAGE |
|---|---|---|---|---|
| COPIE RECUE | 11:19 | G3-96 S | 00'44" | #1 |

POSTE APPELE: 213 825 2273  1990-03-14 11:19

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INSTITUT DE RECHERCHE ET D'ENSEIGNEMENT SUPERIEUR
AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

# MESSAGE TELECOPIE

## FAX MESSAGE

A :
TO : Prof. Walter Karplus, UCLA

DE LA PART DE : Bob Marks
*FROM :*

SUJET :
*SUBJECT :* Hotel Contract

REFERENCE

DATE :
*DATE :* March 14, 1990

FAX destinataire :
*SENT to FAX :* 19.1.213.825.2273

FAX Origine : (33) 40 68 30 66
*SENT by FAX :*

PAGES TRANSMISES (couverture incluse) : 1
TRANSMITTED (including cover sheet) :

Walter: I've received your FAX of the hotel contracts. I think it's a superb idea. They look fine to my layman's legal eye. I have FAX'd the contract to Laura Jobmann at IEEE with my recommendation. I told her if I didn't hear from her in 48 hours to the contrary, I would approve the contract. Let me know ASAP.

Robert J. Marks II Library Archive

TRANSMISSION CONFIRMATION REPORT No.=000305

| | |
|---|---|
| DATE/TIME | MAR 27, 1990 2:22PM |
| TRANSMITTER (FROM) | UCLA COMP. SCI. DEPT.<br>213 825 2273<br>SH<br>SABA HUNT |
| RECEIVER (TO) | ----------<br>33 40683066 |
| PAGES XMITTED | 01 |
| PAGES ERRORED | |
| RESULT | OK |
| COMM. MODE | G3 |
| RESOLUTION | NORMAL |

7001811650

RECU DE: 213 825 2273 1990-03-27 23:27 G3-72 S BIEN RECU #2

Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

FROM: SABA HUNT TO: 33 40683066 MAR 27, 1990 2:22PM P.01

UCLA

# COMPUTER SCIENCE DEPARTMENT

(213) UCLA-CSD FAX
(213) 825-2273 FAX

## FAX TRANSMITTAL

Date Sent: MARCH 27, 1990 Time Sent: _____

Addressee: Prof. Robert Marks - % Prof. Thomas

Company: _____

FAX No. 011 33 40 68 30 66

Sender: Prof. Walter Karplus

Sender's Phone No. 213 825 2929

Special Instructions/Comments: Prof. Marks

RECEIVED YOUR MESSAGE. WILL AWAIT IEEE ACTION.

COULD YOU GET THIS MATTER UNDER WAY AS SOON AS POSSIBLE SINCE THERE IS A REQUEST OF COURTESY INVOLVED?

BEST REGARDS, WALTER KARPLUS

Number of Pages (Including this page) 1 (one)

UCLA
COMPUTER SCIENCE DEPARTMENT
LOS ANGELES, CA 90024-1596

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1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

IRESTE

INSTITUT DE RECHERCHE ET D'ENSEIGNEMENT SUPERIEUR
AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

19.1.201.562.1571

# MESSAGE TELECOPIE

## FAX MESSAGE

A :
TO : Laura Jobmann
IEEE Conference Services

DE LA PART DE :
FROM : Robert Marks, President
IEEE Council on Neural Networks

SUJET :
SUBJECT : Hotel Contract

REFERENCE

DATE : March 14, 1990
DATE :

FAX destinataire : 19. 1. 201. 562. 1571
SENT to FAX :

FAX Origine : (33) 40 68 30 66
SENT by FAX :

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) : 8

Dear Laura,
Greetings from France! Walter Karplus has asked me to sign the attached contract. Frankly, I think it's a good idea to have reduced rate lodging. In my legal lay eye, all looks okay - and I frankly don't think we have a lot of flexibility at these rates. The risk isn't that much either. Unless I hear otherwise from you in 48 hours, I'll sign and FAX Karplus the

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IRESTE

INSTITUT DE RECHERCHE ET D'ENSEIGNEMENT SUPERIEUR
AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

MESSAGE TELECOPIE

FAX MESSAGE

A : / TO : LAURA JOBMANN
IEEE

DE LA PART DE : / FROM : Bob Marks

SUJET : / SUBJECT : IJCNN

REFERENCE

DATE : / DATE : 3/29/90

FAX destinataire : / SENT to FAX : 1.19.1.201.562.1571

FAX Origine : / SENT by FAX : (33) 40 68 30 66

PAGES TRANSMISES (couverture incluse) : / TRANSMITTED (including cover sheet) : 3

Laura: The letter from Karplus (attached) is self explanatory. I am against paying Burke unless IEEE says (or recomends) that we do. Here are the Facts

1. Burke's name was used on IJCNN flyers early.
2. The NNC AdCom authorized a total of $5000 for Burke (he asked [redacted] much more) at Nov '89 AdCom. The IJCNN Conference Chairs were there at the meeting. I don't know when Burke was told.
3. I come back to the States on Sat.
4. Walter has asked for a speedy decision.

Bob Marks

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Robert J. Marks II Library Archive



March 21, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

A rather awkward problem has arisen in connection with the James Burke matter. Bart Kosko informed Burke's U.S. agent , a Mr. Carleton Sedgely, that we had decided not to sign the contract. The matter rested there for a while; but now Mr. Sedgely has gotten back to Bart, breathing fire.

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Best regards,

Walter



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INTERNATIONAL
JOINT CONFERENCE
ON NEURAL NETWORKS
5665 Oberlin Drive, Suite 110
San Diego, CA 92121
TEL. (619) 453-6222 FAX (619) 535-3880

*Sponsored by the IEEE Neural Network Committee and the International Neural Network Society*

March 8, 1990

Prof. Walter J. Karplus
Computer Science Department
School of Engineering and
Applied Science
Boelter Hall 3732
University of California
Los Angeles CA 90024

Dear Prof. Karplus:

Please provide us with the information regarding the IJCNN'90 conference sponsors as soon as possible, since this will be printed in the Proceedings.

I am enclosing the list of the 1989 conference sponsors, for your information.

Cordially,

Nomi

Nomi Feldman
Conference Coordinator

NF:jw

Enclosure

San Diego Marriott Hotel
San Diego, California
June 17-21, 1990

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UNIVERSITY OF CALIFORNIA, LOS ANGELES UCLA

BERKELEY · DAVIS · IRVINE · LOS ANGELES · RIVERSIDE · SAN DIEGO · SAN FRANCISCO SANTA BARBARA · SANTA CRUZ

SCHOOL OF ENGINEERING AND APPLIED SCIENCE
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90024-1600

March 12, 1990

Prof. Robert Marks
c/o Prof Thomas

Dear Bob:

Attached you will (I hope) find a contract with San Diego State University. It makes available 50 rooms at about $ 15 per night. We plan to charge $ 25 for them and use the difference to help pay for bus transportation. I think that this is a very good deal, even though the University is not too close to the Marriott. Anyway I look for this to mitigate, at least partially, the negative impact of the high cost of the hotel rooms at the Marriott. Our exposure is minimal (we have to pay a nonrefundable $ 1600) on May 4.

The contract needs your signature. If you approve please FAX a signed copy to me. You can sign the document itself when you get back.

Also please let me have your input on Nomi's query regarding sponsorship.

Best regards

Walt

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Robert J. Marks II Library Archive



SDSU

HOUSING AND RESIDENTIAL LIFE OFFICE
SAN DIEGO STATE UNIVERSITY
SAN DIEGO CA 92182-0568

(619) 594-5742

March 7, 1990

Dr. Walter Karplus
School of Engineering
Boelter Hall - 3732
U.C.L.A.
Los Angeles, CA 90024

Dear Dr. Karplus:

Enclosed is the original and three copies of your Conference Contract. Please review and sign or complete the blanks on all pages of all copies as indicated by an "X". You may keep the client copy for your files and return all others by the date indicated on page 4 of the contract to:

William G. Woodrow
Associate Director,
Marketing and Conference Services
Housing and Residential Life Office
San Diego State University
San Diego, CA 92182-0568

Upon receiving your signed contracts, the appropriate university officers will sign page 4 and return a signed copy for your records.

Please do not hesitate to contact me with your questions or concerns. I look forward to hosting your group in the summer of 1990.

Sincerely,

W. G. Woodrow

William G. Woodrow
Associate Director,
Marketing and Conference Services

WGW/pl

enclosures

pc: N. Feldman

wwcont.ltr



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ORIGINAL

SDSU
SAN DIEGO STATE UNIVERSITY

Conference Center

## CONFERENCE CONTRACT

CONFERENCE TITLE: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***
DATES: June 16 - 22, 1990

This contract is entered into this 12th day of January 12, 1990 between the Conference Center of Housing and Residential Life (Conference Center) through the San Diego State University Foundation (Foundation) and INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK/Dr. Walter Karplus (Client). This contract provides that the Client pay for services and facilities as follows:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 25 people | x | $15.10 per night | x | 5 nights | = | 1,887.50 |
| 25 people | x | $15.10 per night | x | 6 nights | = | 2,265.00 |

Double rooms utilized as singles are available at an additional cost of $8.00 per person per night.

for an estimated cost of ***$4,152.50*** (plus 7% sales tax where applicable) for ***50*** participants. There are no refunds for participants who depart early. Conferees desiring to park on campus will receive parking permits at check-in. Quoted prices include anticipated cost increases. Should the State University system grant a cost of living increase to its employees that exceeds those projected or the cost of food rises beyond the rate predicated at the time of establishing the 1990 price, these additional costs will result in an adjustment of the quoted price to occur no later than April 2, 1990. In no instance shall this exceed a 15% increase.

***Non-refundable deposits***, as listed below, are due on the following dates:

1. A deposit of ***$10.00*** per person is required as a retainer to reserve facilities and is due upon receipt of this contract. The per person deposit will be forfeited for each reserved space not actually filled. ***Deposit #1 is $500.00.***

2. ***$1,600.00 on May 4, 1990.*** (40.6)

3. ***$2,052.50 on June 1, 1990.***

The deposits shall also be held as security for any damages to property or facilities. If there is no assessment for damages, or there is a portion of the deposit remaining after the subtractions of the costs for the repair of damages, that amount shall be applied to the costs that remain due under this contract. In the event that this conference or program is not held as scheduled, the above deposits(s) shall be forfeited. Any remaining amount of $_____due under this contract shall be paid to the Foundation prior to departure at the close of the conference ***June 22, 1990.*** A written itemized FINAL billing will be sent to the Client indicating receipt of all monies received and a balance due, if any, payable to the Foundation within 15 days. Interest at an 18% per annum rate will be charged on the unpaid balance after this 15 day period. Any alleged error in the in the billing statement shall be reported to the Conference Manager of the Housing and Residential Life Office, within 15 days of the final billing statement.

Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive


Conference Title: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***

The Foundation agrees to provide the Client with the following services:

1. ***Housing:*** Arrival: Saturday, 6/16/90 & Sunday, 6/17/90 Time: 3:00 - 5:00 p.m.

   Departure: Friday, 6/22/90 Time: no later than 11:00 am

   50 people Adult IV Double Occupancy

   Towels, blanket and bed linens provided. Beds made for arrival.

   The Housing and Residential Life Office reserve the right to change assignments.

2. ***Food Services:***

   N/A

3. ***Facilities:***

   N/A

4. ***Other:***

   Client agrees to pay for the replacement of lost room keys at $15.00 each and for the replacement of bedding, towels, etc. that lost or missing. Also, see "damages" beolw.

***Submission of Program and Guaranteed Number:***
To assure a well organized conference, a tentative written agenda and a list of conference requirements, i.e., number, type of rooms, set-up and audio-visual equipment are due ***January 26, 1990.*** A ***final written agenda/program*** and ***completed housing roster*** are to be submitted to the Conferences Manager by ***June 1, 1990.*** At this time the conference client must submit to the Conferences Manger the guaranteed number and names of participants expected. This number can increase (not decrease) by no more than 10% up to 7 working days prior to the beginning of the conference. If guarantee number is not received within 14 days prior to start of the program the estimated enrollment (from page 1) will be used as the final guarantee. All charges will be assessed according to this final guaranteed number. A 1% total billing special service charge is to be administered to those conferences which do not comply with submittal of this ***mandatory final agenda, guarantee and completed housing roster.*** This charge is to cover additional costs incurred by the Conferences Manager to ensure an effectively organized conference.

***Air Conditioning:***
Air conditioning is not guaranteed in the residence halls. It will be provided as long as it is mechanically and fiscally possible.

***Supervision:***
The Client shall provide adequate and appropriate supervision, in accord with all of San Diego State University policies, procedures and house rules, of all persons associated with this program or conference during their stay at San Diego State University including non attendant periods of operation. Specific policies, procedures and house rules are available from the Conference Manager.

Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
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Conference Title: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***

***Damage:***
The Client shall be responsible for all damages or injury to, or loss of any property provided under this contract and to other property not specified in this contract resulting from the negligent and/or intentional acts of persons associated with this conference or program.

***Submission of Promotional Material:***
The Client shall provide the Conferences Manager with an advance copy of their proposed advertising for approval, in order to ensure that San Diego State University and its auxiliaries are properly represented.

***Insurance and Indemnity:***
The Client agrees to indemnify and hold the Foundation, Housing and Residential Life Office, Aztec Shops, Ltd., Associated Students of San Diego State University, Inc. and the State of California free and harmless from all liability, loss, damage, costs, and all other claims for expenses asserted against the Foundation which may arise from injuries to persons or property occasioned by attendance at or participation in this program or conference. The Foundation requires a Certificate of Liability Insurance be submitted by **May 16, 1990** which shall state that the Client is insured for the period of the conference or program with minimum coverage established as:

Bodily Injury -- $100,000.00 each person/$300,000.00 per accident
Property Damage -- $100,000.00 each accident

In addition, this Certificate shall name the Foundation and San Diego State University as co-insured.

***Impossibility:***

If the Conference Center should be unable to carry out this contract by reasons of accident, strike, labor dispute, sickness or death of key personnel, energy shortage, State of California directive, or in the event the agreed upon premises are destroyed or rendered untenable by fire, storm, earthquake, or other casualty, the Conference Center shall not be liable under this contract. The Client's deposit(s) shall be returned.

The terms and provisions of this agreement are subject to reasonable interpretations exclusively under the law of the State of California.


Robert J. Marks II Library Archive

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Correspondace
FAX'd to LAURA
Jobmann@IEEE
Conference Services
by Bob Marks from
Nantes, France on
3/29/90
(2 pages)

REFERENCE

DATE :
*DATE :* 3/29/90

FAX destinataire :
*SENT to FAX :* 1.19.1.20[illegible].562.1571

FAX Origine :
*SENT by FAX :* (33) 40 68 30 66

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) :

Laura: The letter from Karplus (attached) is self explanatory. I am against paying Burke unless IEEE says (or recomends) that we do. Here are the Facts

1. Burke's name was used on IJCNN flyers early.
2. The NNC AdCom authorized a total of $5000 for Burke (he asked [illegible] much more) at Nov '89 AdCom. The IJCNN Conference Chairs were there at the meeting. I don't know when Burke was told.
3. I come back to the States on Sat. [illegible] has asked for

Robert J. Marks II Library Archive

1990 IEEE Neural Networks Council Document
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March 21, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

A rather awkward problem has arisen in connection with the James Burke matter. Bart Kosko informed Burke's U.S. agent , a Mr. Carleton Sedgely, that we had decided not to sign the contract. The matter rested there for a while; but now Mr. Sedgely has gotten back to Bart, breathing fire.

Mr. Sedgely claims that we had used Burke's name in our flyer, that Burke has already arranged his travel plans Tokyo-San Diego-Australia, etc.,etc.,etc. and making all kinds of threats. I called Mr. Sedgely this afternoon and had a long and reasonably amicable conversation. The bottom line is that Sedgely wants us to pay a cancellation fee of $ 3500.00.

I have (and have always had) mixed feelings about this whole matter. But my preference now would be to pay the fee - to charge it to contingencies, and to put the issue to bed. The fee certainly won't break us, and I doubt that any IEEE principles would be violated. The alternative is to prepare for a long and drawn-out series of hassles. In any event, the final decision is up to you.

A problem is that Mr. Sedgely wants to hear our decision "as soon soon as possible". I am leaving Friday, March 23, for eight days in Europe. I hope that this FAX reaches you promptly and that you can FAX your reply back to me before the end of Thursday (your time). If not, I will be at the Hotel Central in Zurich from Saturday evening until March 31. Please contact me there so that I can relay our decision back to Mr. Sedgely by phone.

Best regards,

Walter

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1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

IRESTE

INSTITUT DE RECHERCHE ET D'ENSEIGNEMENT SUPERIEUR
AUX TECHNIQUES DE L'ELECTRONIQUE
La Chantrerie - C P 3003
44087 NANTES Cedex 03

Tél.: (33) 40 68 30 00

# MESSAGE TELECOPIE

## FAX MESSAGE

A :
*TO :* Val Higgins

DE LA PART DE :
*FROM :* Bob Marks

SUJET :
*SUBJECT :* 2 Things

REFERENCE

DATE :
*DATE :*

FAX destinataire :
*SENT to FAX :*

FAX Origine : (33) 40 68 30 66
*SENT by FAX :*

PAGES TRANSMISES (couverture incluse) : 4
TRANSMITTED (including cover sheet) :

Val:
1. ~~Send Pao~~ Please FAX pages 2 & 3 (Karplus letter & my FAX to Jobmann) to Karplus. Send cc's to Eberhart & Tzanakou
2. No royalties on book. Fill in # of students & give to Choi.

Thanks!

-Bob-

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Robert J. Marks II Library Archive

Correspondance
FAX'd to LAURA
Jobmann@IEEE
Conference Services
by Bob Marks from
Nantes, France on
3/29/90
(2 pages)

REFERENCE

DATE :
*DATE :* 3/29/90

FAX destinataire :
*SENT to FAX :* 1.19.1.20#.562.1571

FAX Origine : (33) 40 68 30 66
*SENT by FAX :*

PAGES TRANSMISES (couverture incluse) :
TRANSMITTED (including cover sheet) :

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1. Burke's name was used on IJCNN flyers early.
2. The NNC AdCom authorized a total of $5000 for Burke (he asked [redacted] much more) at Nov '89 AdCom. The IJCNN Conference Chairs were there at the meeting. I don't know when Burke was told.
3. I come back to the States on Sat.
4. Walter has asked for a speedy decision.

Bob Marks

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1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive



March 21, 1990

Prof. Robert Marks
c/o Prof. Thomas

Dear Bob:

A rather awkward problem has arisen in connection with the James Burke matter. Bart Kosko informed Burke's U.S. agent, a Mr. Carleton Sedgely, that we had decided not to sign the contract. The matter rested there for a while; but now Mr. Sedgely has gotten back to Bart, breathing fire.

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Best regards,

Walter


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# Instructor Order Form

Initials | Please check box below for quarter ☐ FALL ☐ WINTER ☒ SPRING ☐ SUMMER | Shelf #

Instructor(s) R. J. Marks II

Course Department EE # 522 Title Shannon Sampling Theory

Campus Address EE Dept Office Phone 543-6990 Office hours _____

Number of students _____ Are these materials required or optional? required

Number of desk copies needed 1 (Note: The desk copy price is divided into the students cost.)

Date materials are needed by April 1 Desk copies needed by April 1

Number of copies on library reserve _____ Will you be using these materials next quarter no

**Binding Instructions**

☐ 3-Ring Binder ☒ Spiral ☐ Staple ☐ None

**Copy Instructions**

☐ Single sided ☒ Double sided

(Note: All copies will be run on 3-hole paper unless spiral bound)

Special Instructions _____

The materials to be copied, as identified above, are for classroom use of no more than one copy per student, constitute only a small part of the entire work, and are to be used solely for non-profit, non-commercial educational purposes in teaching activities. If such copies were not available, I would not require students to purchase the work.

Instructor Signature R J Marks Date 3/30/90

kinko's copies
professor publishing

Pre-run # _____

x

# OF PAGES X PRICE

Master made _____

COPY: _____
BINDING: _____
ROYALTY: 0
TAX: _____
TOTAL: _____

RECIPIENT: 206 543 3842 206-543-3842

Robert J. Marks II Library Archive

# ACCUSE DE RECEPTION

DUREE TOTALE: 01'20"  QUA: 000

| RESULTAT | HEURE | MODE | DUREE | PAGE |
|---|---|---|---|---|
| COPIE RECUE | 14:33 | G3-72 S | 01'20" | #1 |

POSTE APPELE: 213 825 2273  1990-03-23 14:31

1990 IEEE Neural Networks Council Document
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Prof. Walter Karplus,
UCLA

Walter,

The matter should be refered to IEEE. The conference insurance covers cases such as this. Threats of lawsuits should be handled by lawyers. I think we should pay the fee only if told to do so by IEEE.

Best regards
Bob Marks

P.S. Please FAX a response if you get this. Otherwise, I'll try to call Zurich.

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IEEE/INNS
JOINT CONFERENCE
ON NEURAL NETWORKS
5665 Oberlin Drive, Suite 110
San Diego, CA 92121
TEL. (619) 453-6222 FAX (619) 535-3880

*Sponsored by the IEEE Neural Network Committee and the International Neural Network Society*

March 8, 1990

Prof. Walter J. Karplus
Computer Science Department
School of Engineering and
Applied Science
Boelter Hall 3732
University of California
Los Angeles CA 90024

Dear Prof. Karplus:

Please provide us with the information regarding the IJCNN'90 conference sponsors as soon as possible, since this will be printed in the Proceedings.

I am enclosing the list of the 1989 conference sponsors, for your information.

Cordially,

Nomi

Nomi Feldman
Conference Coordinator

NF:jw

Enclosure

San Diego Marriott Hotel
San Diego, California
June 17-21, 1990



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UNIVERSITY OF CALIFORNIA, LOS ANGELES UCLA

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO SANTA BARBARA • SANTA CRUZ

SCHOOL OF ENGINEERING AND APPLIED SCIENCE
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90024-1600

March 12, 1990

Prof. Robert Marks
c/o Prof Thomas

Dear Bob:

Attached you will (I hope) find a contract with San Diego State University. It makes available 50 rooms at about $ 15 per night. We plan to charge $ 25 for them and use the difference to help pay for bus transportation. I think that this is a very good deal, even though the University is not too close to the Marriott. Anyway I look for this to mitigate, at least partially, the negative impact of the high cost of the hotel rooms at the Marriott. Our exposure is minimal (we have to pay a nonrefundable $ 1600) on May 4.

The contract needs your signature. If you approve please FAX a signed copy to me. You can sign the document itself when you get back.

Also please let me have your input on Nomi's query regarding sponsorship.

Best regards

Walt



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SDSU

HOUSING AND RESIDENTIAL LIFE OFFICE
SAN DIEGO STATE UNIVERSITY
SAN DIEGO CA 92182-0568

(619) 594-5742

March 7, 1990

Dr. Walter Karplus
School of Engineering
Boelter Hall - 3732
U.C.L.A.
Los Angeles, CA 90024

Dear Dr. Karplus:

Enclosed is the original and three copies of your Conference Contract. Please review and sign or complete the blanks on all pages of all copies as indicated by an "X". You may keep the client copy for your files and return all others by the date indicated on page 4 of the contract to:

William G. Woodrow
Associate Director,
Marketing and Conference Services
Housing and Residential Life Office
San Diego State University
San Diego, CA 92182-0568

Upon receiving your signed contracts, the appropriate university officers will sign page 4 and return a signed copy for your records.

Please do not hesitate to contact me with your questions or concerns. I look forward to hosting your group in the summer of 1990.

Sincerely,

W. G. Woodrow

William G. Woodrow
Associate Director,
Marketing and Conference Services

WGW/pl

enclosures

pc: N. Feldman

wwcont.ltr



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ORIGINAL

SDSU

SAN DIEGO STATE UNIVERSITY

# Conference Center

## CONFERENCE CONTRACT

CONFERENCE TITLE: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***
DATES: June 16 - 22, 1990

This contract is entered into this 12th day of January 12, 1990 between the Conference Center of Housing and Residential Life (Conference Center) through the San Diego State University Foundation (Foundation) and INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK/Dr. Walter Karplus (Client). This contract provides that the Client pay for services and facilities as follows:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 25 people | x | $15.10 per night | x | 5 nights | = | 1,887.50 |
| 25 people | x | $15.10 per night | x | 6 nights | = | 2,265.00 |

Double rooms utilized as singles are available at an additional cost of $8.00 per person per night.

for an estimated cost of ***$4,152.50*** (plus 7% sales tax where applicable) for ***50*** participants. There are no refunds for participants who depart early. Conferees desiring to park on campus will receive parking permits at check-in. Quoted prices include anticipated cost increases. Should the State University system grant a cost of living increase to its employees that exceeds those projected or the cost of food rises beyond the rate predicated at the time of establishing the 1990 price, these additional costs will result in an adjustment of the quoted price to occur no later than April 2, 1990. In no instance shall this exceed a 15% increase.

***Non-refundable deposits***, as listed below, are due on the following dates:

1. A deposit of ***$10.00*** per person is required as a retainer to reserve facilities and is due upon receipt of this contract. The per person deposit will be forfeited for each reserved space not actually filled. ***Deposit #1 is $500.00.***

2. ***$1,600.00 on May 4, 1990.*** (40.6)

3. ***$2,052.50 on June 1, 1990.***

The deposits shall also be held as security for any damages to property or facilities. If there is no assessment for damages, or there is a portion of the deposit remaining after the subtractions of the costs for the repair of damages, that amount shall be applied to the costs that remain due under this contract. In the event that this conference or program is not held as scheduled, the above deposits(s) shall be forfeited. Any remaining amount of $_____due under this contract shall be paid to the Foundation prior to departure at the close of the conference ***June 22, 1990.*** A written itemized FINAL billing will be sent to the Client indicating receipt of all monies received and a balance due, if any, payable to the Foundation within 15 days. Interest at an 18% per annum rate will be charged on the unpaid balance after this 15 day period. Any alleged error in the in the billing statement shall be reported to the Conference Manager of the Housing and Residential Life Office, within 15 days of the final billing statement.



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Conference Title: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***

The Foundation agrees to provide the Client with the following services:

1. ***Housing:*** Arrival: Saturday, 6/16/90 & Sunday, 6/17/90 Time: 3:00 - 5:00 p.m.

   Departure: Friday, 6/22/90 Time: no later than 11:00 am

   50 people Adult IV Double Occupancy

   Towels, blanket and bed linens provided. Beds made for arrival.

   The Housing and Residential Life Office reserve the right to change assignments.

2. ***Food Services:***

   N/A

3. ***Facilities:***

   N/A

4. ***Other:***

   Client agrees to pay for the replacement of lost room keys at $15.00 each and for the replacement of bedding, towels, etc. that lost or missing. Also, see "damages" beolw.

***Submission of Program and Guaranteed Number:***
To assure a well organized conference, a tentative written agenda and a list of conference requirements, i.e., number, type of rooms, set-up and audio-visual equipment are due ***January 26, 1990.*** A ***final written agenda/program*** and ***completed housing roster*** are to be submitted to the Conferences Manager by ***June 1, 1990.*** At this time the conference client must submit to the Conferences Manger the guaranteed number and names of participants expected. This number can increase (not decrease) by no more than 10% up to 7 working days prior to the beginning of the conference. If guarantee number is not received within 14 days prior to start of the program the estimated enrollment (from page 1) will be used as the final guarantee. All charges will be assessed according to this final guaranteed number. A 1% total billing special service charge is to be administered to those conferences which do not comply with submittal of this ***mandatory final agenda, guarantee and completed housing roster.*** This charge is to cover additional costs incurred by the Conferences Manager to ensure an effectively organized conference.

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Conference Title: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***

***Damage:***
The Client shall be responsible for all damages or injury to, or loss of any property provided under this contract and to other property not specified in this contract resulting from the negligent and/or intentional acts of persons associated with this conference or program.

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The Client shall provide the Conferences Manager with an advance copy of their proposed advertising for approval, in order to ensure that San Diego State University and its auxiliaries are properly represented.

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The Client agrees to indemnify and hold the Foundation, Housing and Residential Life Office, Aztec Shops, Ltd., Associated Students of San Diego State University, Inc. and the State of California free and harmless from all liability, loss, damage, costs, and all other claims for expenses asserted against the Foundation which may arise from injuries to persons or property occasioned by attendance at or participation in this program or conference. The Foundation requires a Certificate of Liability Insurance be submitted by **May 16, 1990** which shall state that the Client is insured for the period of the conference or program with minimum coverage established as:

Bodily Injury -- $100,000.00 each person/$300,000.00 per accident
Property Damage -- $100,000.00 each accident

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The terms and provisions of this agreement are subject to reasonable interpretations exclusively under the law of the State of California.



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Conference Title: ***INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK***

SDSU
Conference Center
by William G. Woodrow; Associate Director,
Marketing and Conference Services
Housing and Residential Life Office

Executed
at:_____ on_____
City State Date

SDSU
Foundation
by S. Kent Gibson, Director
Grants and Contracts Administration

Client X R.J. Marks II
R.J. MARKS II, PRESIDENT, IEEE Council on Neural Networks

Executed
at: X Nantes, France on X March 13, 1990
City State Date

All checks should be make payable to: SDSU Foundation

**CONTRACT AND DEPOSIT #1 MUST BE RETURNED TO THE CONFERENCES MANAGER BY:**

March 22, 1990

Send the contract and deposits to:

William G. Woodrow
Conferences Manager
Housing and Residential Life Office
San Diego State University
San Diego, CA 92182-0568

Client's Mailing Address:

Dr. Walter Karplus
School of Engineering
Boelter Hall - 3732
U.C.L.A.
Los Angeles, CA 90024

Nomi Feldman
Meeting Management
5665 Oberlin Drive - 110
San Diego, CA 92121
453-6222

ccijcnn.690



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03/28/90 17:18 FAX 206 543 3842 U W ELEC ENGR ☑001

ACTIVITY REPORT

TRANSMISSION OK

| | |
|---|---|
| TRANSACTION # | 3904 |
| CONNECTION TEL | 7p48868p201p9811686 |
| CONNECTION ID | G3 |
| START TIME | 03/28 17:16 |
| USAGE TIME | 01'54 |
| PAGES | 3 |

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Robert J. Marks II Library Archive

# UNIVERSITY OF WASHINGTON

## DEPARTMENT OF ELECTRICAL ENGINEERING FT-10

Seattle, Washington 98195

***FACSIMILE COVER SHEET***

The following pages are for:

Attention: Laura Johnann

Name of Firm: _____

Location of Firm: New Jersey

Facsimile Telephone Number: (201) 981-1686

From: Marks Phone: 90 Val 543-6061 (206)

Charge Dept./Acct. 06-1030

THIS TRANSMISSION INCLUDING COVER PAGE CONTAINS _____ PAGES.

DATE: 3-28-90 TIME: 4:10

COMMENTS: _____

_____

_____

Please call (206) 543-2150 if you do not receive all of the pages.

Department of Electrical Engineering FAX # (206) 543-3842

Rev. 4/19/89

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1990 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

IEEE

**NEURAL NETWORKS**

Robert J. Marks II, Chairman
*IEEE Neural Networks Committee (NNC)*
UNIVERSITY OF WASHINGTON, FT-10
DEPT. OF ELECTRICAL ENGINEERING
SEATTLE, WASHINGTON 98195 USA
(206) 543-6990: FAX (206) 543-3842
marks@blake.acs.washington.edu

10-18-89

Prof. Bernard Widrow, President
*International Neural Network Society*
Department of Electrical Engineering
Stanford University
Stanford, CA 94305

Dear Bernie:

I am delighted to inform you that the NNC has approved the submitted budget for the January 1990 IJCNN for an estimated 2000 attendance. I have forwarded this approval to Conference Services at IEEE.

I wish to inform you of some concerns raised by NNC members in regard to the budget. First, the $72,000 for dinner seemed a bit high. With 2000 projected attendees, only about half should attend the dinner.

Secondly, and possibly more significantly, is the $42,000 fee for invited speakers. The NNC is concerned about profiteering by speakers at the expense of higher registration fees. Some specific aspects of this concern are addressed in our agreement.

Sincerely,

Robert J. Marks II /mg

Robert J. Marks II, Chair
IEEE Neural Networks

Committee.

cc: Evangelia Tzanakou, NNC Secretary
Russ Eberhart, NNC Treasurer
Maureen Caudill
Laura Jobmann, IEEE

bc: Troy Nagle

Troy: The publication fee is lower than IEEE could do — Bob —



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IEEE

TECHNICAL ACTIVITIES
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900

(201) 562- 3852

DATE: October 17, 1989

TO: Robert Marks
Russ Eberhart

FROM: Fern Katronetsky FEK

RE: Neural Networks Bank Statement

For your information and file, attached is a copy of the bank statement (8/17/89) for the Neural Networks Account (#0079729708), which Dr. Engelson requested from Equitable Bank.

FEK:jm
Enc.

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ACCOUNT: 0079729708 INQUIRY: 203 SEARCH: C AUTHORITY:

NAME: IEEE ICNN PRA LINE: PRA AVAIL:

LST STMT DATE: 08/17/89 LST STMT BAL: 370,767.51 CURR BAL: 303,271.42

| TRANS | POST | TC | DESCRIPTION | SER NO | AMOUNT | BALANCE |
|---|---|---|---|---|---|---|
| 08/18 | 08/18 | 800 | CHECK | 196 | 1,289.50 | 369,478.01 |
| 08/21 | 08/21 | 800 | CHECK | 176 | 372.00 | 369,106.01 |
| 08/22 | 08/22 | 800 | CHECK | 203 | 518.00 | 368,588.01 |
| 08/23 | 08/23 | 800 | CHECK | 172 | 625.00 | 367,963.01 |
| 08/23 | 08/23 | 800 | CHECK | 206 | 684.34 | 367,278.67 |
| 08/25 | 08/25 | 800 | CHECK | 198 | 502.73 | 366,775.94 |
| 08/25 | 08/25 | 800 | CHECK | 181 | 19,513.28 | 347,262.66 |
| 08/28 | 08/28 | 800 | CHECK | 199 | 1,040.00 | 346,222.66 |
| 08/28 | 08/28 | 800 | CHECK | 200 | 1,220.00 | 345,002.66 |
| 08/28 | 08/28 | 800 | CHECK | 179 | 16,000.00 | 329,002.66 |
| 08/28 | 08/28 | 800 | CHECK | 180 | 25,000.00 | 304,002.66 |
| 08/30 | 08/30 | 800 | CHECK | 289 | 188.00 | 303,814.66 |
| 09/01 | 09/01 | 800 | CHECK | 205 | 56.00 | 303,758.66 |

PRESS PA1 KEY FOR NEXT PAGE CURRENT CYCLE

DEPOSIT SYSTEM ACCOUNT INQUIRY ACCOUNT STATEMENT SCREEN PAGE 02

ACCOUNT: 0079729708 INQUIRY: 203 SEARCH: C AUTHORITY:

NAME: IEEE ICNN PRA LINE: PRA AVAIL:

LST STMT DATE: 08/17/89 LST STMT BAL: 370,767.51 CURR BAL: 303,271.42

| TRANS | POST | TC | DESCRIPTION | SER NO | AMOUNT | BALANCE |
|---|---|---|---|---|---|---|
| 09/01 | 09/01 | 800 | CHECK | 192 | 162.00 | 303,596.66 |
| 09/05 | 09/05 | 800 | CHECK | 288 | 325.24 | 303,271.42 |

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RDD Lockheed

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