The International Joint Conference of
the Fourth IEEE International Conference on Fuzzy Systems
and
the Second International Fuzzy Engineering Symposium

March 20-24, 1995
Conference Site: PACIFICO YOKOHAMA
Yokohama, Japan

Sponsoring Organizations
IEEE NNC: The Institute of Electrical and Electronics Engineers, Neural Networks Council
LIFE: Laboratory for International Fuzzy Engineering Research
SOFT: Japan Society for Fuzzy Theory and Systems
JIPDEC: Japan Information Processing Development Center

Supporting Organizations
Ministry of International Trade and Industry
City of Yokohama

Organizing Committee
Honorary Chair: L. A. Zadeh (Univ. of California, U.S.A.)
Chair: T. Terano (LIFE, Japan)
Members: M. Nakayashiki (LIFE, Japan)
M. Teruyama (JIPDEC, Japan)
M. Mukaidono (SOFT, Japan)
J. C. Bezdek (IEEE NNC, U.S.A.)

General Chair: M. Sugeno (Tokyo Inst. of Tech., Japan)

Program Committee Co-Chairs: K. Hirota (Hosei Univ., Japan)
T. Fukuda (Nagoya Univ., Japan)

Program Committee
F. Arai (Japan)
K. Asai (Japan)
J. Baldwin (UK)
Z. Bien (Korea)
H. R. Berezjii (USA)
P. Bonissone (USA)
B. Bouchon-Meunier (France)
J. Buckley (USA)
C. Carlsson (Finland)
E. Czogala (Poland)
M. Delgado (Spain)
D. Dubois (France)
A. O. Esguibel (USA)
T. Fukuda (Japan)
F. Gomide (Brazil)
M. M. Gupta (Canada)
K. Hirotani (Japan)
J. Kacprzyk (Poland)
A. Kandel (USA)
J. Keller (USA)
E. P. Klement (Austria)
G. J. Klr (USA)
L. T. Koczy (Hungary)
H. Koivu (Finland)
B. Kosko (USA)
R. Kruse (Germany)
Y. M. Liu (China)
E. H. Mamdani (UK)
R. Marks II (USA)
R. Lopez de Mantaras (Spain)
M. Mizumoto (Japan)
M. Mukaidono (Japan)
C. Negoiela (USA)
H. T. Nguyen (USA)
T. Onisawa (Japan)
W. Pedrycz (Canada)
H. Prade (France)
A. Ralescu (Japan/USA)
D. Ralescu (USA)
A. F. Rocha (Brazil)
M. Roubens (Belgium)
E. Ruspin (USA)
E. Sanchez (France)
H. Shizuka (Japan)
T. Shibata (Japan)
P. Smets (Belgium)
M. Sugeno (Japan)
T. Takagi (Japan)
H. Tanaka (Japan)
T. Terano (Japan)
M. Togai (USA)
E. Trillas (Spain)
Y. Tsukamoto (Japan)
I. B. Tursken (Canada)
M. Umano (Japan)
G. Vachkov (Bulgaria)
P. P. Wang (USA)
P. Z. Wang (Singapore)
R. R. Yager (USA)
T. Yamakawa (Japan)
S. Yasunobu (Japan)
L. A. Zadeh (USA)
M. Zemankova (USA)
H. J. Zimmermann (Germany)

CONFERENCE INFORMATION
For information on the conference, please contact:
Ms. S. Miura (domestic liaison)
Ms. K. Shibayama (international liaison)
Ms. M. Fukushima (international liaison, Program Committee)

LIFE: Laboratory for International Fuzzy Engineering Research
Siber Hegner Building 4F
89-1 Yamashita-cho, Naka-ku,
Yokohama 231, Japan
Phone: +81-45-212-8268
Fax: +81-45-212-8255
SCOPE AND TOPICS

Scope:

The Fourth IEEE International Conference on Fuzzy Systems and the Second International Fuzzy Engineering Symposium will be held jointly. This joint conference is aimed at researchers and practitioners in theoretical and applied fields of fuzzy logic/fuzzy sets and related subjects. It provides a forum for researchers and practitioners from all over the world for presentations of their research results and discussions and exchange of views on current and future fuzzy-related technology. The conference will also feature the presentation of the final research and development results of the LIFE project.

Topics:

Basic concepts and methodologies, fuzzy computing (hardware/software), genetic algorithms and evolutionary systems, human interface, image understanding, intelligent systems, neural networks, virtual reality, and their applications to: agriculture, artificial life, behavioral science, business management, civil engineering, control, database, design and architecture, ecology, education, industry, knowledge engineering, law, medicine, multimedia, natural language, operations research, pattern recognition, psychology, robotics, security, socio-economics, etc.

PROGRAM

Welcome Address:
L. A. Zadeh (Univ. of California)
F. Sato (LIFE)
O. Watanabe (MITI)

Keynote Speech:
T. Terano (LIFE)
"Progress of Fuzzy Engineering at LIFE and Its Prospect"

Opening Lecture:
M. A. K. Halliday (Univ. of Sydney)
"Fuzzy Grammatics: A Systemic Functional Approach to Fuzziness in Natural Language"

Invited Lectures:
R. Marks II (Univ. of Washington)
"Fuzzy and Extra Crisp POCS"
W. Pedrycz (Univ. of Manitoba)
"Fuzzy Control Engineering: Reality and Challenges"
E. Ruspini (SRI Artificial Intelligence Center)
"Fuzzy Logic-Based Planning and Reactive Control of Autonomous Mobile Robots"
M. Togai (Nihon InfraLogic, Co., Ltd.)
"Industrial Applications of Fuzzy Logic Theory in the World"

Four Special Workshops by LIFE Chair Professors (Tokyo Institute of Technology):

Exhibition by LIFE and Others:

Exhibition will be held on March 20-22/23 in order to show applications of 'Soft Computing Technologies' such as fuzzy logic, neural networks, genetic algorithms, human interface, image processing, intelligent systems and virtual reality.