

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

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H. Prade (France)

A. Ralescu (Japan/USA)

D. Ralescu (USA)

A. F. Rocha(Brazil)

M. Roubens (Belgium)

E. Ruspini (USA)

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H. Shiihuka (Japan)

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S. Yasunobu (Japan)

L. A. Zadeh (USA)

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CONFERENCE INFORMATION

For information on the conference, please contact:

Ms. S. Miura (domestic liaison)

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Ms. M. Fukushima (international liaison, Program Committee)

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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):

A. Ralescu, I. B. Türksen, H. T. Nguyen, and L. T. Kóczy

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.