

**1999 IEEE International Fuzzy Systems
Conference Proceedings
(V. 1)**



FUZZ-IEEE '99

August 22-25, 1999 Seoul, Korea

1999 IEEE International Fuzzy Systems Conference Proceedings

Sponsored by	The IEEE Neural Network Council
In Cooperation with	The Korea Fuzzy Logic and Intelligent Systems Society
Supported by	Ministry of Information and Communication Ministry of Science and Technology Korea Science and Engineering Foundation Korea Research Foundation
Co-sponsored by	The Institute of Electronics Engineers of Korea Korea Information Science Society The Institute of Control, Automation and Systems Engineers Korean Institute of Industrial Engineers Korean Institute of Communication Sciences The Korean Mathematical Society The Korean Institute of Electrical Engineers Korea Expert System Society

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IEEE Catalog Number 99CH36315
ISBN 0-7803-5406-0 (Softbound Edition)
ISBN 0-7803-5407-9 (Casebound Edition)
ISBN 0-7803-5408-7 (Microfiche Edition)
ISSN 1098-7584

Additional Copies may be ordered from:

IEEE Service Center
445 Hoes Lane
P.O.Box 1331
Piscataway, NJ 08855-1331
Tel: +1-732-981-1393
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Editorial production by FUZZ-IEEE'99 Program Committee
Printed in Korea by Kyunghee Printing Co.

The Institute of Electrical and Electronics Engineers, Inc.

MESSAGE FROM THE GENERAL CHAIR

FUZZ-IEEE is one of the most prestigious technical conferences in the world, especially among the researchers and professionals in the area of soft computing and intelligent systems. As such, it is a great honor and privilege for us to have organized the 8th IEEE International Conference on Fuzzy Systems or FUZZ-IEEE'99 in Seoul, Korea during August 22-25, 1999.

As far as the size of the conference is concerned, we admit that this conference may not be the biggest. We have about 370 people registered as of July 30, 1999. On-site registration and 6 tutorials will make hopefully 450 participants overall. As for the papers, there will be 209 oral presentations and 111 poster presentations, which means that in total 320 papers will be included in the proceedings. Also, we have tried to contain the manuscripts of the special talks such as the keynote speech material as well as those of the 4 plenary presentations. To follow the tradition of the Barcelona FUZZ-IEEE'97 Conference, we have also organized 12 invited talks given by well-known world class researchers in various subject areas.

Each of the invited talk is given 40 minutes for presentation so that more thorough overview and discussion may take place. I guess this part of presentations will contribute a great deal in making the conference more interesting and informative.

As the General Chair of the Conference, I like to extend my sincere thanks to all the contributors of the proceedings who must have done their best in writing the papers.

I would like to take this opportunity to express my heartfelt appreciation for all those who have worked together in organizing this conference, establishing the technical programs and running the conference meetings. I am especially indebted to Prof. M. Park who had been the de facto General Chair, officiating most of the organizational meetings and taking care of financial matters. Also, I thank Prof. K. W. Oh who has worked like a bulldozer in doing the job as the International Program Committee Chair. We all feel a great deal of gratitude to Prof. H. T. Jeon as well who has managed to run the local steering committee, taking care of all the details of the conference meetings. I must further extend my thanks to Prof. C. K. Park who has helped and sponsored FUZZ-IEEE'99 as the president of KFIS, the Korean Fuzzy Society. Last but not least, I like to say "Kamsahamnida(Thank you)" to Mr. J. Yi and Miss J. You of the Secretariat and their supervisor, Mr. T. Choi of INTERCOM for their dedication and perspiration to make the conference a special success.

We hope that this Proceedings will be not only a simple record of our technical activities during FUZZ-IEEE'99 Conference in Seoul, but also a lasting reminder of your good memories about the friends you meet, the places you visit and many exciting events you may have during your stay.

Z. Zenn Bien
General Chair
FUZZ-IEEE '99

MESSAGE FROM THE INTERNATIONAL PROGRAM COMMITTEE CHAIR

It is an honor to serve as the International Program Committee Chair for the International Conference on Fuzzy Systems (FUZZ-IEEE'99) to be held at the Renaissance Hotel, Seoul, Korea, during August 22-25, 1999. The technical program reflects the tremendous growth in the field with contributions from a large number of participants around the world. We have tried our best to produce this meeting which is valuable to both scientists and practitioners in the area of fuzzy systems.

We received 433 paper submissions in fuzzy related areas. A total of 209 papers were accepted for oral presentation and 111 papers were accepted for poster presentation. There are 6 invited oral sessions which contain 32 papers. We were responsible for collecting three reviews for each paper. The members of the organizing committee met and made the final decisions on the papers based on the reviews and their recommendations. The selected contributed and invited papers are organized by the organized session chairs into tracks and they were reviewed separately. These cover many of the new applications and traditional topics of fuzzy systems.

We would like to specially thank all the committee members without whose timely help it would have been impossible to review papers to assemble this program. We would also like to thank Mr. Jung W. Yi and Ms. Jung-Hwa You for their help with creating the data base of the submissions and others. We gratefully acknowledge Mr. Ho-Seop Seo's help with the web site. We greatly appreciate all the authors, speakers, session chairs, and others who have made this conference possible. We would also like to thank all the attendees for participating in the conference.

The conference would not be possible without the sponsorship and support of the IEEE Neural Networks Council. We appreciate the support of NNC ex-president Jim Bezdek, VP for Conference (president-elect for NNC) Enrique H. Ruspini and Karen G. Haines (NNC Education Committee Chair).

Kyung-Whan Oh
International Program Committee Chair
FUZZ-IEEE '99

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