

Annual Conference of the North American Fuzzy Information processing Society NAFIPS'2015 and 5th World Conference on Soft Computing

Dedicated to the 50th anniversary of Lotfi A. Zadeh's first paper on "Fuzzy sets"
Redmond, Washington, USA, August 17-19, 2015

Venue

The 34th Annual Conference of NAFIPS (North American Fuzzy Information Processing Society) will be held jointly with the 5th World Conference on Soft Computing, at DigiPen Institute of Technology, a dedicated, world-renowned leader in education and research in computer interactive technologies, located in Redmond, Washington. Redmond is a paradise for both outdoor enthusiasts and city lovers with its new town center. As the home of Microsoft, it is one of the world's most important technology hubs. It is a gateway to Bellevue's upscale living, Seattle's vibrant attractions, Washington's wine country, and the Natural Wonders of the Cascade range.

Aims and Scope

As a truly unique and international conference in the areas of fuzzy sets and soft computing, 2015 NAFIPS-WConSC meeting will bring together scientists, engineers, students, and practitioners working in fuzzy logic and related areas to present their recent research accomplishments. The meeting offers a unique platform for the exchange of ideas, fostering interaction and building multidisciplinary research linkages.

Topics

The topics cover all aspects of fuzzy systems and their applications including, but not limited to

- fuzzy sets and fuzzy logic
- mathematical foundations of fuzzy sets and fuzzy systems
- approximate reasoning, fuzzy inference models, and soft computing
- fuzzy decision analysis, decision making, optimization, and design
- fuzzy system architectures and hardware
- fuzzy methods in data analysis, statistics and imprecise probability
- fuzzy databases and information retrieval
- fuzzy pattern recognition and image processing
- fuzzy sets in management science
- fuzzy control and robotics
- possibility theory
- fuzzy sets and logic in ontology, web, and social networks
- fuzzy preference modeling
- fuzzy sets in operations research and manufacturing
- fuzzy database mining and financial forecasting
- fuzzy neural networks
- evolutionary and hybrid systems
- intelligent agents and ambient intelligence
- learning, adaptive, and evolvable fuzzy systems

Special Sessions

Proposals for special sessions concentrating on fundamentals, algorithms, and innovative applications of fuzzy sets and soft computing are welcome. Submission of proposals should include a short description of the session, its relevance to the NAFIPS meeting, and a list of potential contributors. Special sessions will be open to all participants. Organizers of Special Sessions will be responsible for the reviewing process of papers within their session.

Best Paper Awards

Two awards will be given to authors of outstanding papers, one of them for the best student paper award.

Important Dates

Special Session proposals due: **February 6, 2015 (extended deadline)**

Papers due: **March 31, 2015 (extended deadline)**

Notification of Acceptance: **April 25, 2015**

Final Papers and Early Registration: **May 5, 2015**

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nafips2015.digipen.edu

Chairs

Honorary Chairs: Lotfi A. Zadeh (University of California, Berkeley, USA),

Ali Abbasov (Minister of Communications and Information Technologies of the Republic of Azerbaijan),

Claude Comair (President, DigiPen Institute of Technology, USA)

General Chair: Barnabas Bede (DigiPen Institute of Technology, USA)

General Co-Chairs: Shahnaz Shahbazova (Azerbaijan Technical University, Azerbaijan), Vladik Kreinovich (University of Texas at El Paso, USA), Ronald R. Yager (Iona College, New York, USA), Marek Z. Reformat (University of Alberta, Canada)

Advisory Co-Chairs: Martine de Cock (Ghent University, Belgium), Boris Kovalerchuk (Central Washington University, USA), William Melek (University of Waterloo, Canada), Imre J. Rudas (Óbuda University, Hungary), Ildar Batyrshin (Mexican Petroleum Institute, Mexico)

Local Organizing Committee: Angela Kugler, Emma Trifari, Matt Klassen, Xin Li, Samir Abou Samra, Natalia Solorzano, Jeremy Thomas, Salem Bacha (DigiPen, USA), Asli Celikyilmaz (Microsoft, USA)

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