



Annual Conference of the North American Fuzzy Information Processing Society, NAFIPS 2020, August 20-22 Redmond, WA

Venue

The **39th Annual Conference of NAFIPS (North American Fuzzy Information Processing Society)** will be held 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 proximity to **Seattle**. Redmond is one of the world's most important technology hubs, it is a gateway to 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, 2020 NAFIPS meeting will bring together scientists, engineers, students, and practitioners working in fuzzy sets, fuzzy logic, fuzzy systems 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 methods in machine learning and interpretable AI
- fuzzy databases and information retrieval
- fuzzy pattern recognition and image processing
- fuzzy control and robotics
- fuzzy intervals and fuzzy arithmetic
- fuzzy differential equations and their applications
- 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
- adaptive neuro-fuzzy inference systems
- fuzzy clustering
- fuzzy cognitive maps
- fuzzy systems in video games
- learning, adaptive, and evolvable fuzzy systems

Special Sessions

Proposals for special sessions concentrating on fundamentals, algorithms, and innovative applications of fuzzy sets and systems 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. Please send special session proposals to bbede@digipen.edu

Best Paper Awards

Awards will be given to authors of outstanding papers and best student papers.

Important Dates

Special Session proposals due: ~~January 31, 2020~~, **February 15, 2020 (extended deadline)**

Papers due: **February 15, 2020**

Notifications of Acceptance: **March 15, 2020**

Final Papers and Early Registration: **May 15, 2020**

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