



Annual Conference of the North American Fuzzy Information Processing Society, NAFIPS 2021, June 7-9, Purdue University, West Lafayette, IN, USA

You are cordially invited to participate in 2021 North American Fuzzy Information Processing Society Annual Conference to be held at Purdue University, West Lafayette, IN, USA on June 7-9, 2021.

The aim of NAFIPS 2021 is to bring together researchers, engineers, and practitioners working in fuzzy logic and related areas to present their latest achievements and innovations. The meeting offers a unique platform for the exchange of ideas, discussion of thought-provoking developments and challenges, consideration of potential future directions.

The scope of this conference covers all aspects of theory and applications in fuzzy systems, soft computing methods, and fuzzy information processing.

Topics

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

- mathematical foundations of fuzzy sets and fuzzy systems
- approximate reasoning, fuzzy inference models, and soft computing
- fuzzy sets and fuzzy logic
- 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 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
- fuzzy systems in machine learning
- fuzzy systems in video games
- evolutionary and hybrid systems
- explainable AI
- intelligent agents and ambient intelligence
- learning, adaptive, and evolvable fuzzy systems

