



Special Issue on Artificial Intelligence and Fuzzy Systems - Theory and Applications

Call for Papers

Artificial intelligence is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. The increase in artificial intelligence studies shows that the use of artificial intelligence in computer science, information engineering, mathematics, psychology, linguistics, philosophy, and many other fields will increase in the coming years. Artificial intelligence technology offers new design approaches for solving some challenging problems that, until recently, were considered intractable.

Fuzzy systems are essential methods in artificial intelligence that can be applied to solve complex real-world problems. Real-world problems often involve complexity, noisy environment, imprecision, and vagueness. It is usually difficult to solve such problems by traditional analytical and numerical paradigms. The fuzzy set theory will be a good solution to these obscurity situations and can be used in circumstances where conventional approaches fail to solve a problem effectively.

This special issue offers a special opportunity for researchers to make useful exchange of ideas and original research findings in fuzzy systems and artificial intelligence and their potential applications in a wide range of areas such as automation, control, robotics, and computing. In this special issue, potential topics include, but are not limited to:

- Fuzzy systems for modeling and simulation
- Machine learning and artificial intelligence using fuzzy techniques
- Fuzzy systems design and optimization
- Fuzzy networks design and optimization
- Image processing using fuzzy techniques
- Fuzzy systems for classification and recognition
- Neuro fuzzy systems
- Fuzzy neural networks
- Fuzzy control systems
- Model based fuzzy and neural control
- Deep neural networks
- Deep learning
- Deep models
- Machine learning
- Computational Intelligence
- Natural language processing



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- Reinforcement learning

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue – Artificial Intelligence and Fuzzy Systems - Theory and Applications**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	August 31st, 2021
Publication Date	October 2021

Guest Editors:

Dr. Raheleh Jafari, University of Leeds, UK

Dr. Alexander Gegov, University of Portsmouth, UK

Dr. Sina Razvarz, National Polytechnic Institute, Mexico

For further questions or inquiries, please contact Editorial Assistant at
ijis@scirp.org