



IJCIS: Call for Papers Special Issue “Intelligent and Fuzzy Techniques: Smart and Innovative Solutions”



Guest Editor:

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Aims and Scope

Smart technologies, when integrated with data analytics platforms and networks, offer the potential of expanding the fundamental capacity of any system. Organizations that invest in smart technologies harvest rewards, including higher revenues, improved customer experience, and increased employee satisfaction. Innovative decisions in operating business segments are shaped in the presence of an accurate overview of innovations that are currently being implemented or where the implementation is a possibility. This special issue will focus on intelligent and fuzzy techniques for smart, innovative technologies and solutions to bring together researchers and practitioners from both academia and industry to develop and manage intelligent and fuzzy techniques for innovative technologies and solutions.

The topics of interest include (but are not limited to):

- Artificial Neural Networks
- Mathematical foundations of neural networks
- Architectures and algorithms
- Learning theory (supervised/ unsupervised/ reinforcement learning)
- Knowledge-based networks
- Implementation issues of neural networks
- Support Vector Machines
- Neural network applications
- Fuzzy Systems, fuzzy logic and possibility theory
- Fuzzy system design using evolutionary algorithms
- Fuzzy system modeling and simulation
- Fuzzy systems and applications

[International Journal of Computational Intelligence Systems \(IJCIS\)](http://www.ijcis.net)



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- Evolutionary Algorithms
- Genetic algorithms, evolution strategies, genetic programming and evolutionary programming
- Hybrid evolutionary algorithms
- Evolutionary algorithms and applications
- Fusion of neural network- fuzzy systems
- Fusion of fuzzy systems- evolutionary algorithms
- Fusion of neural network - evolutionary algorithms
- Fusion of neural network- fuzzy systems- evolutionary algorithms
- Intelligent agents (architectures, environments, adaptation/ learning and knowledge management)
- Bayesian networks and probabilistic reasoning
- Rough sets
- Intelligent optimization techniques
- Intelligent techniques in Bioinformatics
- e-learning, e-commerce, e-business, e-finance
- Risk management
- Derivatives pricing
- Portfolio management and asset allocation
- Stock market, forex market analysis, dynamics; simulation
- Hedging, trading & arbitrage strategies
- Financial modeling
- Computational economics
- Intelligent management
- Multicriteria decision-making



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Important dates

Submission of papers: November 8, 2020

The end of the first round: December 31, 2020

The end of the second round: February 28, 2021

Notification of final review results: March 15, 2021

Submit your paper

All papers have to be submitted via the Editorial Manager online submission and peer review system. Instructions will be provided on screen and you will be stepwise guided through the process of uploading all the relevant article details and files associated with your submission. All manuscripts must be in the English language.

To access the online submission site for the journal, please visit <https://www.atlantispress.com/journals/ijcis/submit-your-paper>. Note that if this is the first time that you submit to the International Journal of Computational Intelligence Systems, you need to register as a user of the system first.

NOTE: Before submitting your paper, please make sure to review the journal's [Author Guidelines](#) first.

Introduction of the Guest editor

Prof. Kahraman is a full professor at the Department of Industrial Engineering of Istanbul Technical University. His research focuses on engineering economics, quality control & management, statistical decision-making, multicriteria decision-making, and fuzzy decision-making. He published about 200 journal papers, about 120 book chapters, and about 180 conference papers. Prof. Kahraman became the guest editors of many international journals and the editor of many international books from Springer and Atlantis Press. He is a member of the editorial boards of 20 international journals and is the chair of INFUS Conferences. He was also the vice dean of ITU Management Faculty between 2004 and 2007 and the head of ITU Industrial Engineering Department between 2010 and 2013.