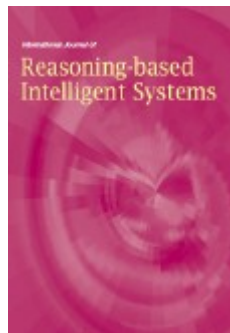


Call for Papers



International Journal of Reasoning-based Intelligent Systems

CIM-19: Special Issue on: "Advances in Machine Learning and Intelligent Systems – Challenges and Solutions"

Guest Editors:

Dr. D. Jude Hemanth, Karunya University, India

Dr. Mamta Mittal, G.B. Pant Engineering College, India

Dr. Basant Agarwal, Swami Keshvanand Institute of Technology Management & Gramothan, India

Recent exponential growth in user-generated data has attracted the interest of both researchers from academic fields and developers from industries worldwide. This online data is being generated due to a considerable increase in the use of social network websites such as Facebook, Twitter, Instagram, Flickr, blogs, etc. The amount of data available for analysis has further increased because of recent advancements in Internet of things (IoT) devices.

This huge amount of the data provides significant possibilities of analysis for various decision-making models and to develop intelligent systems. Almost all of the state-of-the-art data analysis-based models are based on machine learning due to its successful results in recent times. Advances in machine learning have opened up many diversified sets of applications to develop intelligent systems in various fields such as speech recognition, image processing, medical imaging, natural language processing, bioinformatics, water management, energy management, disaster management, tourism and smart agriculture.

Machine learning presents a revolution for researchers and practitioners due to new and evolving deep learning-based approaches for intelligent systems which have allowed many breakthroughs in various applications such as speech recognition, object recognition, etc. This has opened up many challenges and opportunities for the research community working on machine learning and intelligent systems to come up with novel techniques, ideas and approaches.

This special issue is aiming to invite original and novel contributions and the state-of-the-art research related to machine learning and intelligent systems. The issue will carry revised and substantially extended versions of selected papers presented at the [International Conference on Intelligent Machines \(ICIM-2019\)](#), but we are also inviting researchers unable to participate in the conference to submit articles for this call.

Subject Coverage

Suitable topics include, but are not limited, to the following:

- Intelligent computing
- Deep learning
- Image recognition for intelligent systems
- Neural networks
- Information processing and retrieval
- Big data analytics

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers *must* be submitted online. To submit a paper, please read our [Submitting articles](#) page.

Important Dates

Manuscripts due by: *20 June, 2019*

Notification to authors: *15 August, 2019*

Final versions due by: *15 September, 2019*