

ICICC-2021
International Conference on Innovative Computing and Communication
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***** CALL FOR PAPERS *****

SPECIAL SESSION ON

Recent Advances in Machine learning and Computational Intelligence

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

Evolutionary algorithms have demonstrated superior global search capabilities, and have been applied to diverse real-life single and multi-objective optimization problems. Examples includes the use of evolutionary algorithms for optimal parameter identification and discriminative feature selection pertaining to diverse classification and regression models as well as hybrid evolutionary and clustering algorithms for image segmentation and visual saliency detection. Machine learning gives systems the ability to learn automatically and improve themselves from the experience without being explicitly programmed or without the intervention of human. Its main aim is to make computers learn automatically from the experience.

Computational Intelligence mainly includes Artificial Neural Networks, Fuzzy Logic Systems and Genetic Algorithms, is a new advanced information processing technique that exhibits characteristics closely associated with human intelligence.

The aim of this special issue on “**Recent Advances in Machine learning and Computational Intelligence**” is to provide a platform for academicians, researchers, engineers, practitioners across the world to share their research findings, new ideas, knowledge and practical challenges encountered in this field.

In this special issue, we aim to unify the picture of contemporary intelligent computing techniques as an integral concept, which highlights the trends in advanced computational intelligence and bridges theoretical research with applications. This special session invites high quality research contributions, state-of-the-art reviews and original research papers (based on theoretical analysis and practical applications) from industry and academia.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- Artificial intelligence
- Computational neuroscience and bioscience
- Cloud computing
- Evolutionary computing
- Fuzzy logic
- Genetic Algorithms
- Human computer interface
- Information retrieval
- Intelligent agent and web applications
- Intelligent business computing
- Intelligent fault diagnosis
- Knowledge discovery and data mining
- Next generation Internet
- Pattern recognition
- Reasoning and expert systems
- Soft computing
- Speech, image, and video processing
- The Internet of things
- Virtual reality and human-computer Interaction
- Computer Vision
- Supervised Machine Learning
- Unsupervised Machine Learning
- Deep Learning
- Neural Networks
- Reinforcement Learning
- Predictive Learning
- Bayesian Network
- Data Mining

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on “**Recent Advances in Machine learning and Computational Intelligence**” *on or before 1stDecember 2021*. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE’S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify “**Recent Advances in Machine learning and Computational Intelligence**” at the top (above paper title) of the first page of your paper.

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