

Special Session on
Computational Intelligence and Machine Learning Approaches in Real-World Applications
at
21st International Conference on Intelligent Systems Design and Its Applications (ISDA)
on
World Wide Web
December 13-15, 2021

<http://www.mirlabs.net/isda21/>

Objectives and Scope

Computational Intelligence and Machine learning approaches are most promising and useful assets for keen and involved real-world applications. The world is heading towards smart machines making them as intelligent as humans. It is fascinating to imagine a world that is ruled by intelligent machines based on Internet of things and Artificial Intelligence. IoT world will focus on the developments in the IoT secured eco-system to progress end-to-end IoT solutions, Intersecting IoT with 5G, Edge and AI to progress digital transformation. This special session emphasis on the modern intelligent techniques in the field of AI, machine learning and IoT. For this potential to thrive, interdisciplinary communication between AI developers and IoT professionals is necessary. In this session, problems related to the fundamentals of AI in 5G /6G from theory to applicability, Optimization Techniques in AI and Computational intelligence will be focused.

Artificial Intelligence is a way that can be used to develop a model which analyses data quickly and automatically. Machine learning is a subfield of Artificial Intelligence that teaches machines to do what comes naturally to humans (learn by example). Machine learning (ML) and Deep Learning (DL) play a vital role in data analysis and building a model for prediction or classification with the help of past data. Today, machine learning and deep learning are heavily used in object detection, image detection, driverless car, speech recognition etc. This special session encourages you to contribute to one of the major events in 2021 on the Computational intelligence and machine learning approaches in real-world applications

The purpose of this special issue is to provide academics, scholars, scientists, and industry professionals with an opportunity to share the significance of advances in computer intelligence.

Subtopics

Topics are included as below, but are not limited to

- Role of Artificial Intelligence in 5G/6G,
- Machine learning meets privacy in 6G Mobile Network,
- Development and Future IoT and AI for Consumer Application
- IoT and AI for Education sector and IoT and Deep Learning for Health care Data
- IoT with Industrial applications perspective
- Convergence of IoT and Artificial Intelligence
- AI enabled IoT Devices and AI-based Internet of Drone Things
- AI Techniques in Software Development
- Artificial Intelligence in Speech Recognition
- Prediction & Data analysis using Machine Learning
- AI Innovations in Renewable Energy Resources

Paper Publications

Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago)

<https://www.springer.com/series/15179>

Papers maximum length is 10 pages

Papers must be formatted according to Springer format (Latex/word) available at:

<https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

Important Dates

Paper submission due: September 30, 2021

Notification of paper acceptance: October 31, 2021

Registration and Final manuscript due: November 15, 2021

Conference: December 13-15, 2021

Special Session Chairs

Dr. Nidhi Sindhwani, AIIT, Amity University Noida

Dr. Ramani Kannan, University Teknologi PETRONAS (UTP), Malaysia

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