

1st International Conference on Optimization Techniques for Learning (ICOTL 2023)



7 & 8 December, 2023

www.icotl.in

Location: Clarks Exotica Convention Resort, Bengaluru

The 1st International Conference on Optimization Techniques for Learning (ICOTL 2023) is a major international conference to bring together researchers, engineers, and scientists from academia and industry working in Machine Learning and Data Science and their applications in different scientific, technical, and social optimization problems. Researchers will meet for discussion, exchanging ideas, opinions, and most importantly to present their latest works and research results. Special sessions on various subjects related to artificial intelligence, soft-computing, intelligent systems, perception, cognitive science, psychology, data analysis, IoT are welcome. Individual submissions in the following areas are invited.

ICOTL 2023 topics include but not limited to the following:

- Statistical and Machine Learning Algorithms: Classification and Regression Algorithms, Optimization of objective functions - algorithms and efficacies
- Neural Networks and Support Vector Machines: Shallow and Deep Networks, Auto-coders
- Pattern recognition, Object Detection and Image analysis
- Stochastic Search Algorithms for Optimum Solutions: Constrained and unconstrained problems, Evolutionary programming and its variants
- Type I and Type II Fuzzy algorithms, Granular computing and rough set
- Optimization in Sustainable and Strategic Problems, Personal and Social problems
- Social and Scale Free Networks: Clustering and Centrality, Applications in Recommender System, Bioinformatics, Disease control, Social Welfare, etc.
- Text mining: Semantics Analysis, Topic Modeling, Sentiment Analysis, Web Mining, Transformer and BERT
- Cognitive Neuroscience: Neuro-computing, Perception, Cognition
- Optimization in Finance and Business Management

Accepted papers will be published in the conference proceedings with an IEEE catalog number and ISBN number. The proceedings will be submitted for possible publication in IEEE Xplore and indexing by El Compendex.

Manuscript Submission : 30th July 2023

Acceptance Notification : 30th August 2023

Camera Ready Submission : 15th October 2023

Early Bird Registration : 15th October 2023

Paper submission Link:

<https://cmt3.research.microsoft.com/ICOTL2023>

Contact us:

icotl-info@mits.ac.in



www.mits.ac.in

**MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE**

(UGC-AUTONOMOUS INSTITUTION)

Madanapalle-517325, Annamayya Dist., Andhra Pradesh



ESTD: 1998