**Title of the Conference:  
1st International Conference on Optimization Techniques for Learning (ICOTL 2023)  
Bangalore, India, December 7-8,**

**Honorary Chair**

* Dr. N. Vijay Bhaskar Choudary, Correspondent, MITS, Madanapalle, AP, India.
* Prof. Atsuto Suzuki, President, Iwate Prefectural university, Japan.

**General Chairs**

* Goutam Chakraborty, *Madanapalle Institute of Technology & Science*, India
* Rung-Ching Chen, Chaoyang University of Technology, Taiwan
* Qiangfu Zhao, University of Aizu, Japan

**PC Chair**

* Nidhya Rangarajan, MITS, India

**PC Co-chairs**

* Matsuhara Masafumi, Iwate Prefectural University, Japan
* Yusuke Manabe, Chiba Institute of Technology, Japan

**Special Session Chair**

* Prof. Cheng-Hsiung Hsieh, CYUT, Taiwan

**Publicity and Industry alliance Chairs**

* Mr. Venugopal Choudhury
* Mr. SGH. Gowda

**Publication Chair**

* Basabi Chakraborty, *Iwate Prefectural University*, Japan
* Bandi Vamsi, MITS

**Local Organizing & Finance Chairs**

* Dr. Sreemant Basu, MITS, India
* Dr. Pradeep Kumar, MITS, India

**Advisory Committee**

* Keerthi Nadella, MITS
* C. Yuvaraj, MITS
* Yo-Ping Huang, National Taipei University of Technology, Taiwan
* Hideyuki Takagi, Kyushu University, Japan
* Takako Hashimoto, Chiba University of Commerce, Japan

**Registration Chairs**

* Dr. Sreemant Basu, MITS

**Steering Committee Members**

* Robert Kozma, University of Memphis, USA
* Tadahiko Murata, Kansai University, Japan
* Qiangfu Zhao, University of Aizu, Japan
* Rung-Ching Chen, Chaoyang University of Technology, Taiwan
* Tzung-Pei Hong, National University of Kaohsiung, Taiwan
* Yan Pei, University of Aizu, Japan

Call for Paper (CFP):

**Objective of the ICOTL 2023 conference:**

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 area are invited.

Authors are invited to submit the full manuscript (maximum 6 pages including references) of their technical paper, for oral or poster presentation. Papers in pdf format may be uploaded via the web using the system at: https://easychair.com/ICOTL2023

The authors need to open an account in EasyChair for paper submission.

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 EI Compendex.

**Topics include but not limited to the following:**

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

**Call for Special Sessions:**

Proposals of organizing your Special Sessions are welcome. For details, please visit conference web-site special session page at:

<http://www.mits..../icoms2023>

**Venue:**

**Clarks Exotica Convention Resort & Spa, Near Bangalore Airport, India**

**Paper Submission Procedure:**

Get the details from <http://www.chishiki.soft.iwate-pu.ac.jp/icast2019/submission.html>

Change the dates and some other obvious controversies

**Important Dates ~~(We really need to work very hard to keep this schedule):~~**

* Get the dates from cfp
* ~~June ?? 2023, Deadline of Special Session (SS) proposals~~
* ~~June ?? 2023, Notification of Acceptance of Special Session proposals~~
* ~~August 4, 2023: Deadline of paper submission (both general session and SS)~~
* ~~September 8, 2023: Notification of paper acceptance~~
* ~~September 22, 2023: Submission of final camera-ready papers~~
* ~~September 29, 2023: Deadline for registration~~
* ~~November 1-3, 2023: Conference~~

**Sponsor**MITS  
**Supporters:**Iwate Prefectural University, Japan,  
IEEE SMC Awareness Computing Technical Committee   
IEEE SMC Soft Computing Technical Committee   
IEEE SMC Intelligent Internet System Technical Committee  
~~IEEE SMC Granular Computing Technical Committee~~  
~~IEEE Hyderabad Section,  
Society for Data Science, India~~