



3rd INTERNATIONAL CONFERENCE ON MACHINE INTELLIGENCE AND SIGNAL PROCESSING

MISP-2021

<https://www.misp.nitap.ac.in>

Organized by

NATIONAL INSTITUTE OF TECHNOLOGY ARUNACHAL PRADESH, INDIA

SEPTEMBER 23-25, 2021

1. **Title of the Special Session:** *Machine Learning for Smart Healthcare*

2. **Details of Session Chair and Co-Chair:**

Dr. Sachi Nandan Mohanty, College of Engineering, Pune, INDIA

Dr. Monika Mangla, Lokmanya Tilak College of Engineering (LTCOE), Navi Mumbai, INDIA

Dr. Suneeta Satpathy, College of Engineering Bhubaneswar (CoEB), Bhubaneswar, INDIA

3. **Aims & Scope (Theme of Session):**

Now-a-days healthcare data is highly critical for patient's care as well as for physicians. Healthcare data is generated in abundant manner with the passage of time. Machine learning, Deep Learning and Big Data are primarily changing the facts of data utilizations especially in clinical healthcare. Now a day's various techniques, methodologies, algorithms, are proposed by researchers to organize data in a structured manner to assist the physicians in precision care of patients. Effective Health care data management is also the key tool towards the organizational goal achievement; needs to understand the importance, values and functions of health care data. Also the effective management of healthcare data not only focuses on ensuring that the patient receives the most appropriate, timely, and effective services possible, but also addresses the achievement of performance targets. Ultimately, the data management from all perspectives affect the organization's overall performance and provides significant rewards and personal satisfaction for those who want to make a difference in the lives of others.

This special session is entirely based on the current research trends on application of machine learning, deep learning pertaining to healthcare data analysis and its management.

4. **Subtopics:**

Topics include, but are not limited to following:

- *Machine Learning models for Healthcare.*
- *Deep and reinforcement learning for Healthcare.*
- *Big Data analytics for Healthcare data processing.*
- *Clustering and classification algorithms for Healthcare.*
- *Hybrid Fusion Systems for Healthcare.*
- *Healthcare data acquisition/analysis/mining*
- *Healthcare information systems/knowledge representation/reasoning*
- *Pattern recognition/data mining/optimization methods for Healthcare data*



- *Modeling, simulation, and optimization of Healthcare*
- *Fusion control systems developments for Healthcare*
- *Organization Based Healthcare management system.*

5. Technical Programme Committee(s):

- *Dr. Laxmidhar Behera*
Department of Electrical Engineering
Indian Institute of Technology - Kanpur
- *Dr. S. K Shinde*
Professor and Vice Principal
Lokmanya Tilak College of Engineering, Navi Mumbai
- *Dr. Nonita Sharma*
Department of Computer Engineering
NIT, Jalandhar
- *Dr. Vaishali Wadhwa*
Department of Information Technology
Panipat Institute of Engineering and Technology, Panipat

6. **Submission Procedure:** Researchers and practitioners are invited to submit papers through the below given easy chair link:

[Springer Author's Guidelines](#)

[EasyChair Submission](#)

All submissions must be original and may not be under review by another publication. The submitted papers will be reviewed on a double-blind and peer review basis.

7. Publications:

All accepted and registered papers under MISP 2021 will be considered for publication in Springer Book Series, "Advances in Intelligent Systems and Computing" (approval pending).

All inquiries should be directed to the attention of Session Chair/Co-Chair:

Name: *Dr. Monika Mangla*

Designation: *Asst. Professor, LTCE, Navi Mumbai*

Email Id: *manglamona@gmail.com*

Contact Number: *9320561216*

Name: *Dr. Suneeta Satpathy*

Designation: *Assoc. Professor, College of Engineering Bhubaneswar (CoEB), Bhubaneswar*

Email Id: *suneeta1912@gmail.com*

Contact Number: *9861540972*

