3rd International Conference on Machine Intelligence and Signal Processing

(MISP 2021), September 23-25, 2021
National Institute of Technology Arunachal Pradesh,
Yupia, Dist- Papum Pare, PIN-791112, Arunachal Pradesh, India

The 3rd International Conference on Machine Intelligence and Signal Processing (MISP2021) will be held at National Institute of Technology, Arunachal Pradesh, India, during September 23-25, 2021. This conference is meant for researchers all over the globe interested in the areas of data mining, artificial intelligence, optimization, machine learning methods/ algorithms, signal processing theory and methods, and applications to human brain disorders like epilepsy, Alzheimer's, sleep disorders etc. Other applications of machine learning and signal processing techniques are also welcome.

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Topics in the MISP 2021 Technical Program include but are not limited to:

Machine Learning
Feature Extraction
Least-Squares SVM (LS-SVM)
Support Vector Machines (SVM)
Twin SVM (TWSVM)
Extreme Learning Machine (ELM)
Artificial Neural Network (ANN)
Kernel Design
Randomization-Based Neural Networks and Learning Systems
Machine Learning Architectures and Formulations
Medical, Biological and Cell Microscopy
Neural Generative Models, Auto Encoders, GANs
Optimization and Learning Methods
Deep Learning
Natural Language Processing
Hybrid Machine Learning Systems for NLP
Information Retrieval & Extraction
Artificial Intelligence and Recommender systems
Data, Web, and Text mining
Trustworthy Machine Learning

Signal Processing
Signal Processing Systems and Architectures
Signal Processing Algorithms
Time-Frequency Analysis
Nonlinear Signal Processing
Nonstationary Signal Processing
Adaptive Signal Processing
Signal Processing for Smart System
Biomedical Signal Processing and Bioinformatics
Sparse Signal Processing
Signal Processing for IoT
Coding and Compression
Signal Processing for Smart Systems

Computer Vision & Pattern Recognition
3D Computer Vision
Action and BehaviourRecognition
Adversarial Learning, Adversarial Attack and Defence
Biometrics, Face, Gesture, Body Pose
Computational Photography, Image and Video SynthesisDatasets and Evaluation
Efficient Training and Inference Methods for Networks
Explainable AI, Fairness, Accountability, Privacy, Transparency and Ethics in Vision
Image Retrieval
Recognition (Object Detection, Categorization)

Computational Learning Theory
Active Learning
Incremental Learning and Online Learning
Reinforcement Learning and Planning
Manifold Learning and Regularization
Multi-Task Learning
Semi-Supervised Learning
Dimensionality Reduction
Probabilistic Methods

Applications
Brain-Computer Interfacing
Human-Machine Interaction
Automated Machine Interaction
Early Diagnosis of Alzheimer's disease
Brain Imaging, Epilepsy Detection
Detection of Sleep disorders
Computational Biology
Crowdsourcing, Healthcare,Neuroscience
Social Good
Climate Science, Hydrology

Big Data Analytics
Big Data:Novel Theory, Algorithms and Applications
5 V's of Big Data
MapReduce for Big Data Processing
Distributed File Systems for Big Data
Big Data Visualization
Big Data Mining
Large Data Stream Processing
Big Data Applications
Sensor Network, Social Network and Big Data Techniques, Models and Algorithms for Big Data
Big Data Analytics and Social Media
Hardware/Software Infrastructure for Big Data
Mobile Communications and Networks
Security and Privacy for Big Data
Data Compression
Machine Learning and AI for Big Data

Network Intelligence
Artificial Intelligence Techniques and Models for Network and Service Management
Wireless Ad Hoc Networks
Vehicular Ad Hoc Networks
Smart Service Orchestration and Delivery
Software-defined Networking
Centralized vs Distributed Control of SDN/NFV
IoT and Machine Learning
Encryption and Cybersecurity
Cloud Computing and Security
Cloud Computing Models, Simulations, Designs, and Paradigms
Data Security and Privacy in the IoT
BlockChain Technology

Publication

In the last conferences MISP2017(IIT Indore) and MISP2019(IIIT Allahabad), all accepted papers have been published in the Conference Proceeding as Springer book series in Springer. This year the Conference Proceeding will be published in the Springer book series "Lecture Notes in Electrical Engineering (LNEE)" (https://www.springer.com/series/7818). Authors are requested to submit their Manuscripts through the Easy Chair System. The paper must be in Springer series format and of maximum 12 pages. Selected and extended versions of research papers will be forwarded for publication as a Special Issue in Scopus and SCI/SCIE indexed Journals of repute.

Click on the following links to submit the Manuscripts and read the guidelines.

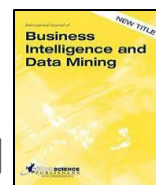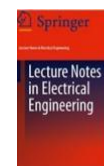Springer Author's GuidelinesEasyChair Submission

Important Dates
Final Submission Deadline: ~~April 1, 2021, April 30, 2021,~~ May 15, 2021
Acceptance Notification (1st round): May 15, 2021
Acceptance Notification (2nd round): June 15, 2021
Camera Ready Submission: June 20, 2021
Registration: June 20, 2021

NOTE: Virtual Presentation will be allowed due to COVID-19 Pandemic for all Delegates.

Academic/ Technical Collaborators

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