



Organizing Committee of MISP 2017

Organizing Chairs

M. Tanveer, IIT Indore
R.B. Pachori, IIT Indore

Program Chair

Hem C. Jha, IIT Indore

Publicity Chairs

Hrshikesh V. Raman, IIIT Sricity
Deepak Gupta, NIT Arunachal Pradesh
Santanu Manna, IIT Indore

International Advisory Committee

- U. Rajendra Acharya, Ngee Ann Polytechnic, Singapore
- Jim Schroeder, Florida Institute of Technology, USA
- Johan Suykens, KU Leuven, Belgium
- Palaniappan Ramaswamy, University of Kent, UK
- Yuan-Hai Shao, Zhejiang University of Technology, China
- Olivier Colliot, CNRS & INRIA, France
- P.N. Suganthan, NTU Singapore
- Yuh-Jye Lee, NCTU, Taiwan
- S. Suresh, NTU Singapore
- Shen-Shyang Ho, Rowan University, USA
- David Hewson, University of Bedfordshire, UK
- Hichem Snoussi, UTT, Troyes, France
- Dante Mantini, KU Leuven, Belgium
- Moonis Ali, Texas State University-San Marcos

National Advisory Committee

- V.M. Gadre, IIT Bombay
- Pradip Sircar, IIT Kanpur
- B.K. Panigrahi, IIT Delhi
- Pravat Mandal NBRC Gurgaon
- G. Ramamurthy IIIT Hyderabad
- S. Dandapat IIT Guwahati
- Suresh Chandra, IIT Delhi
- Jayadeva, IIT Delhi
- M. Abulaish, SAU Delhi
- S. Mitra, ISI Kolkata
- Omar Farooq, AMU Aligarh
- Asif Ekbal, IIT Patna
- Reshma Rastogi, SAU Delhi
- Millie Pant, IIT Roorkee

Local Advisory Committee

Sk. Safique Ahmad, IIT Indore
Trapti Jain, IIT Indore
Anand Parey, IIT Indore
Niraj K. Shukla, IIT Indore
Md. Aquil Khan, IIT Indore
Aruna Tiwari, IIT Indore
Kapil Ahuja, IIT Indore
Amod C. Umarikar, IIT Indore
Devendra Deshmukh, IIT Indore
Swadesh Kumar Sahoo, IIT Indore

MISP 2017

The international conference on Machine Intelligence and Signal Processing (MISP 2017) will be held at Indian Institute of Technology Indore, Indore, India, on December 22-25, 2017. This conference is meant for researchers from academia, industries and research & development organizations 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. It will put special emphasis on the participations of PhD students, Postdoctoral fellows and other young researchers from all over the world. It will be beneficial to bring together a group of experts from diverse fields to discuss recent progress and to share ideas on open questions. The conference will feature world-class keynote speakers in the main areas.

Topics in the MISP 2017 Technical Program include but are not limited to:

Signal Processing

- Time-frequency analysis
- Nonlinear signal processing
- Nonstationary signal processing
- Adaptive signal processing
- Biomedical signal and image processing
- Signal transforms
- Multirate signal processing
- Signal processing methods and algorithms
- Signal processing applications
- Other areas in signal processing

Machine Learning

- Machine learning methods
- Feature extractions
- Support vector machines (SVM)
- Least-squares SVM (LS-SVM)
- Twin SVM (TWSVM)
- Extreme learning machine (ELM)
- Artificial neural network (ANN)
- Classification techniques
- Kernel design
- Other areas in machine learning

Applications

- Early diagnosis of Alzheimer disease
- Epilepsy detection and diagnosis
- Detection of sleep related disorders
- Classification of abnormal bio-signals like as electroencephalogram (EEG), electrocardiogram (ECG), electromyogram (EMG) etc.
- Diagnosis of tumorigenesis and cancer
- Knee-joint vibration in arthritis
- Brain-computer interfacing (BCI)
- Detection, prediction, analysis, and classification of human brain, heart, and other disorders
- Other applications related to machine learning and signal processing

Publication

All accepted papers will be published online in the Proceedings of Scopus indexed AISC series of Springer. Each accepted paper should be registered by at least one author to appear in the proceedings. The format of the manuscript is available at <http://www.springer.com/series/11156> and length of the paper should not be more than 12 pages. Authors are requested to submit their Manuscripts through Easy Chair System. Click on the below mentioned URL to submit the Manuscripts.

<https://easychair.org/conferences/?conf=misp2017>



Important Deadlines for Cycle-II

Paper submissions: September 15, 2017
Notification of acceptance: October 15, 2017
Camera-ready papers: October 25, 2017
Registration: October 25, 2017