



**5th International Conference on Advanced Machine Learning Technologies and Applications (AMLTA-2020)**  
**Manipal University Jaipur, Jaipur, Rajasthan, India**  
**February 13-15, 2020.**

## **Special Session on**

### **Machine Learning approaches for Signal Deciphering and Processing (MLSDP)**

#### **Special Session Organizer(s):**



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## SCOPE AND TOPICS

Machine learning has emerged as an efficient tool to develop algorithms and train the system in various fields. The aspiration of AMLTA 2020 is to bring together worldwide leading researchers, developers, practitioners, and educators interested in advancing the state of the art in machine learning for exchanging knowledge that encompasses a broad range of disciplines among various distinct communities. We intend to explore new trends and present innovative works, applying machine learning techniques to signal deciphering and processing. Signal processing is the process of analyzing and processing signals to optimize or improve its efficiency or performance in context to the problem in hand. It involves applying various mathematical and computational algorithms to produce the required outcome from the input signal. Signals are widely used in diverse fields and can discern objects that are hitherto oblivious to the human eye. It has many interesting applications like signal deciphering in medical sciences help aid diagnosis through EEG or ECG signals; in the field of environmental sciences signals are used to model climate changes, oceanographic studies, etc. Machine learning techniques help design models that predict outcomes with greater accuracy and has the ability to train themselves. Original and unpublished research papers are invited which highlight the use of soft computing techniques to solve problems in different domains. All accepted conference papers will be presented at the conference and included in the published proceedings by Springer indexed by SCOPUS and EI.

The special session MLSDP at AMLTA2020 invites Technical Papers, Review Papers, and Research Articles as per the standard Springer format from the researchers and professionals in the domain of signal processing in the following areas (but not limited to):

- Remote Sensing
- Geo-spatial and Geo-statistical technologies
- Environmental and Geospatial data analytics
- Satellite Signal Discrimination
- Speech processing
- Brain signal processing
- Healthcare
- Cognitive Science
- Common Sense Reasoning
- Smart & Intelligent Sensors
- Data Sciences
- Deep Learning
- Evolutionary Computing
- Rough Computing
- Biometrics

## IMPORTANT DATES

Paper Submission: 15 August 2019

Paper Accept/Reject Notification 15 September 2019

Camera Ready Paper Submission 30 September 2019

Registration Opens 15 September 2019

Early Bird Registration closes 15 November 2019

## SUBMISSION GUIDELINES

Please refer the following link for paper template, submission system and other process related to online paper submission.

<http://amlta.com/2020/author-guidelines/>