

Special Session on “Machine Learning and Deep learning – Emerging trends, Applications, Research Challenges and Issues”

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Session Description

Machine learning and deep learning areas have become prominent research interests spreading across multiple domains such as Cyber security, Healthcare, Image processing, Agriculture, Financial services, Data mining, Artificial Intelligence and Data Science applications. Because of growing importance, researchers from academia and industry are evaluating possibility of developing computationally efficient approaches by applying machine learning, and deep learning principles and techniques. Although, numerous approaches are explored to build highly efficient and effective learning models, but they are confronted with many difficulties when dealing with complex data, such as failing to capture intricate feature interactions, extract good feature representations. Machine Learning and Deep learning techniques have shown very promising performance in tackling different types of complex data in a broad range of tasks/problems, but its development in view of healthcare, time series, temporal, spatio-temporal, data fusion, deep fusion applications is limited. This special session

aims to promote machine Learning and deep Learning theme of interest.

Recommended Topics

This special session is aimed to cover the recent advances in machine learning and deep learning areas of research. Research contributions are invited from both academia, and industrial practitioners working in the areas of machine learning and deep learning, and solicits original and high-quality research on the following topics. (but not limited to)

- AI, ML and DL Applications in speech and image processing
- Anomaly or Outlier detection using benchmark datasets
- Classification and clustering of structured, unstructured and semi structured datasets
- Data mining applications and techniques in machine learning
- Feature representation, feature extraction of massive datasets
- Healthcare applications using machine learning and deep learning techniques
- Computer vision and Pattern recognition applications
- Natural language processing and its applications
- Intrusion detection, disease diagnosis, time series analysis using machine learning and deep learning methods
- Applications of Convolution neural networks
- Scope of machine learning in Block chain related applications
- Visualization of patterns in data
- Industrial, financial, and scientific applications of all kinds
- Evolution and Explanation-based learning

Instructions for Paper Submission Process

Please submit your paper (in word format) via Conference Easy chair submission system and also send the paper to srinivasarao_d@vnrvjiet.in, with " ***Machine Learning and Deep learning – Emerging trends, Applications, Research Challenges and Issues*** " by mentioning in the subject line the **Paper Title** and **PaperID** generated in easy chair submission system.