

## SPECIAL SESSION (SS11)

# Special Session: Advance Computing Foundations, Techniques and Mathematical Models in Big Data, Machine Learning and Artificial Intelligence

Organizers:

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### Session Details

The objective of the session is to provide a platform where researchers and experts can discuss and share their experiences pertaining to current and new research trends in the field of machine learning and artificial intelligence. It provides a platform where researchers, academicians, scholars and professionals present and discuss the recent advancement in the domain machine learning.

As the area of machine learning and artificial intelligence is broad and of interdisciplinary nature which includes mathematical computations, computer science and information processing, biomedical, psychology, etc. Thus, this session seeks contributions from intelligent data processing perspective.

Authors may submit their genuine research work to the session which includes a large spectrum of topics including technical details, applications and implementation of machine learning, data mining and artificial intelligence techniques.

The **contribution** may include the topics of interest, but are not limited to the topics mentioned below:

1. Big data analytics
2. Data mining algorithms for Big data
3. Deep Learning and its applications
4. Applying machine learning in the area of healthcare, social media, bioinformatics.
5. Data Mining, Data Science and Big Data
6. Data Warehouse, Clustering, Visualization
7. Graph Mining
8. Data Security and Privacy
9. Information Retrieval, Knowledge Discovery, Integration, Transformation
10. Data Classification, Regression, Cleaning
11. Social network and social media analysis

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12. Biomedical and Bioinformatics data analysis
13. Neural Network and Deep Neural Networks
14. Issues and challenges in intelligent data mining
15. Analysis and Design of Algorithms
16. Design issues in pattern recognition