



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 in Distributed Computing and Cloud-based Applications (MLADS-CBA)

Special Session Organizer:



In 2015, **Dr. Anas AlSobeh** got a PhD degree from Utah State University (USU) in Computer Science with Honor. He got his Bachelor (2007) from Yarmouk University (YU) in Computer Information System with Honor. In December 2010, he obtained his MSc degree in Computer Information Systems from Yarmouk University with Honor. He joined YU as a Lecturer in August 2010 after graduating with his master in Computer Information System. In January 2011, He left YU to pursue his PhD in Web Information Systems at Utah State University (USU)/ Utah/USA. His PhD work is focused on developing weaving crosscutting concerns into distributed transaction in aspectJ. His research interests includes distributed transaction processing analysis, aspect-oriented languages, distributed systems/ Client and Servers, and databases.

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DESCRIPTION

In the world of rapid technological advancements, Cloud Computing, Big Data Analytics and Internet of Things (IoT) are more than just jargons. Everyone has started reaping the benefits of these advancements made possible by distributed environments. Today the volume of data generated and processed at greater speed has increased significantly, and real time processing has become more challenging to achieve within a relevant time-frame. To cater to these scenarios, the existing cloud infrastructure is a sub-optimal solution as the data generated are sent to various distant cloud centres. Integrating machine learning techniques into the existing cloud can therefore offer improved effectiveness and is a major research domain nowadays.

SCOPE AND TOPICS

This session provides a great platform for researchers to share cutting-edge ideas, new research trends, and the latest outcomes in Cloud/distributed computing. It considers a particular case of a distributed system and Cloud Computing Solution and application wishing to collaborate to share hardware and software resources. Topics of interest original, unpublished contributions are solicited covering the general aspects of cloud and distributed systems.

Topics of interest include, but are not limited to:

- Meta-Heuristic algorithms for IoT and cloud computing
- Machine Learning algorithms and scalable/parallel/distributed algorithms
- Machine Learning based Security models for cloud computing
- Cloud architectures for large-scale context-aware applications
- Cloud Computing as infrastructure in supporting IoT, Big Data Analytics and cyber physical systems
- Deep learning and Artificial Intelligence for resource allocation and optimization
- Distributed Applications and Algorithms
- Cloud OS, Middleware, Toolkits, and Applications
- Cloud Security and Privacy
- Ubiquitous and Cloud Computing
- Virtualization Techniques
- Cloud Resource Provision, Management, and Scheduling
- Web-Based Computing and Cloud Architecture
- Cloud Simulation, Performance Modelling, and Evaluation
- Distributed System Models and Algorithms
- Distributed System Management

IMPRTANT 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/>