

SPECIAL SESSION (SS14)

Special Session on: Advances in Theoretical and Applied Artificial Intelligence

The primary goal of this session is to show up novel research contributions that address paradigms, algorithms, applications and inferences in the field of Artificial Intelligence with multi-disciplinary perspective. The session will explore the research outcomes of the contributors with any of the following objectives.

- Use of novel frameworks and methods to solve AI problems and demonstrating the effectiveness over currently existing methods.
- Incorporating diverse intelligent technologies and/or approaches towards problems belonging different areas.
- Review and evaluation of techniques, frameworks and applications emphasizing its novelty in AI domain. The list of topics that covers the core areas of theoretical and applied AI such as:
 - Machine Learning
 - Deep Learning
 - Reinforcement Learning
 - Pattern Recognition
 - Artificial Neural Networks
 - Natural Language Processing
 - Unsupervised Learning
 - Evolutionary Computation
 - Data Mining
 - Data Analytics
 - Computer Vision
 - Digital Image processing / signal processing
 - Speech Analysis
 - Video Processing and Analysis
 - AI Powered Internet of Things
 - Intelligent / Virtual Agents
 - Decision Support Systems

Proposed by: **Dr. R. JOHN MARTIN** Faculty of Computer Science Information Technology Jazan University, KSA

Dr. John Martin is a highly engaged progressive academic for two decades in computing education and active research. He has completed his Ph.D (Computer Science) in Machine Learning with an application to biomedical data analytics. He has ample amount of research publications in the areas of Machine Intelligence and Data Analytics. Dr. Martin has vast experience in higher education as an educator and



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administrator in India and Middle-East. His current affiliation is with Jazan University (Higher Education Commission of Saudi Arabia) as teaching faculty in the School of Computer Science and Information Technology. He is a live professional member of ACM (Association for Computing Machinery). His contributions as an educator, mentor, academic policy maker, curriculum developer and professional trainer are recognized by the global academic communities