**The 15th IEEE International Conference on Machine Learning and Applications
(IEEE ICMLA'16), Anaheim, USA
18-20 December 2016
www.icmla-conference.org/icmla16**

Special Session on
Machine Learning Applications in Education

AIMS AND SCOPE

The field of education is currently undergoing extensive evolution involving internet- and distance-based learning environments. New types of learning environments such as virtual classrooms, distance laboratories and new learning methodologies present new problems that will need to be addressed. Traditional learning environments are in many cases being replaced with these new technologies. Machine Learning can be used to provide new solutions to problems presented by these new learning and teaching technologies. It can be applied in many educational areas to facilitate new methods and learning environments.

Machine learning involves a variety of techniques that are applicable to solving problems in education. Some example applications include: prediction of learning success in vocational and technical education, determination of effective learning methods, using social media for educational purposes, and so on.

The aim of this special session is to obtain perspective into the current state of the practice of machine learning applications in addressing problems arising in education. Topics relevant in this Workshop include but are not limited to

- *Applications of Machine Learning in Mobile Learning Environments*
- *Machine Learning in Agent Based Educational Applications*
- *Applications of Machine Learning in Distance learning Environments*
- *Artificial Neural Networks Applications in Education*
- *Applications of Machine Learning in Social Networks*
- *Applications of Machine Learning in Authoring Technologies*
- *Applications of Machine Learning in Educational Software Testing*
- *Applications of Machine Learning in Intelligent Learning Environments*
- *Applications of Machine Learning in Human Computer Interaction*
- *Applications of Machine Learning in Virtual Learning Environments*
- *Applications of Machine Learning in Safe Internet in Education*
- *Applications of Machine Learning in Information Security*
- *Applications of Machine Learning in New Learning Theroies*
- *Applications of Machine Learning in Social Media and Social Learning*
- *Applications of Machine Learning in Instructional Design*
- *Applications of Machine Learning in Big data and Applications*

Submitted papers cannot be previously published or be under consideration for publication elsewhere. Authors must adhere to all submission procedures of the 15 th IEEE ICMLA 2016, including paper formats and deadlines.

Special Session Chair

Prof. Dr. Halil Ibrahim BULBUL
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Important Dates:
Paper Submission Deadline **August 6th, 2016**
Notification of Acceptance **September 7th, 2016**
Camera-Read Papers **October 1st, 2016**

If you have any question about this session, please do not hesitate to ask your question to
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