

Special Session
on
**Machine Learning Applications
in Education**

**at the 14th IEEE International Conference on
Machine Learning and Applications (IEEE ICMLA 2015)**

Miami - USA, 9-11 December 2015

**<http://www.icmla-conference.org/icmla15/>
(Sponsored by IEEE SMCS)**

The field of education is constantly evolving with internet based learning environments. The new types of learning environments like virtual classroom, distance laboratories and new learning methodologies face with new problems that need to be addressed. The traditional learning environments are no longer used because of replacing with new Technologies based on internet. Machine Learning can provide new solutions to problems that facing with new learning and teaching technologies in education. Machine learning can be applied to many educational subjects to facilitate new methods and learning environments in the field of education.

The field of machine learning involves a variety of techniques to solve problems in education. Some example applications include prediction of learning success within the vocational and technical education, deciding effective learning methods, using social media for educational purpose, etc.

The aim of this special session is to obtain a good perspective into the current state of practice of machine learning applications to address various problems that should be solved in the field of education. Some topics relevant to this special session 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*

Submitted papers must not be previously published or be underconsideration for publication

elsewhere. Authors must adhere to all submission procedures of the 14th IEEE ICMLA 2015, including paper formats and deadlines. The paper (s) should be submitted on or before August 25th 2015. Any changes in the dead lines for the special session will be posted on the ICMLA 2015 website. <http://www.icmla-conference.org/icmla15/>

All papers accepted for this special session will be published in the proceedings of the 14th IEEE ICMLA 2015. The session papers are considered equivalent to regular papers submitted to IEEE ICMLA 2015, and they under go the same rigorous review process.

Important Dates:

▶Paper submission deadline	August	25th	2015
▶Acceptance notification	September	9th	2015
▶Camera-ready submission and registration	October	1st	2015
▶14 th ICMLA 2015 Conference	December	9-11,	2015

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