

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

*at the 13th IEEE International Conference on
Machine Learning and Applications: ICMLA 2014*

December 03- 06, Detroit, Michigan, USA

[\(http://www.icmla-conference.org/icmla14/\)](http://www.icmla-conference.org/icmla14/)

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 Theories
- ▶ 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 under consideration for publication elsewhere. Authors must adhere to all submission procedures of the 13th IEEE ICMLA 2014,

including paper formats and deadlines. The paper (s) should be submitted on or before August 5th 2014. Any changes in the dead lines for the special session will be posted on the ICMLA 2014 website.

All papers accepted for this specialsession will be published in the proceedings of the 13th IEEE ICMLA 2014. The session papers are considered equivalent to regular papers submitted to IEEE ICMLA 2014, and they under go the same rigorous review process.

Important Dates:

▶Paper submission deadline	August	24th 2014
▶Acceptance notification	September	20th 2014
▶Camera-ready submission and registration	October	10st 2014
▶13 th ICMLA 2014 Conference	December	03-06, 2014

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