The 18th IEEE International Conference on Machine Learning and Applications (IEEE ICMLA-2019)

Special Session: Machine Learning Applications in Education
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https://www.icmla-conference.org/icmla19/

Introduction
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.

Scope
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 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
- Application of Machine Learning in New Learning Theories
- 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 18th IEEE ICMLA 2019, including paper formats and deadlines.

**Submission Guidelines and Instructions**
Papers submitted for reviewing should conform to IEEE specifications. Manuscript templates can be downloaded from [IEEE website](#). The maximum length of papers is 8 pages. All the papers will go through double-blind peer review process. Authors’ names and affiliations should not appear in the submitted paper. Authors’ prior work should be cited in the third person. Authors should also avoid revealing their identities and/or institutions in the text, figures, links, etc.

Papers must be submitted via the CTM System by selecting the track “Special Session on Machine Learning Applications in Education”. All accepted papers must be presented by one of the authors, who must register. Detailed instructions for submitting papers can be found at [How to Submit](#).

**Paper Publication:**
Accepted papers will be published in the ICMLA 2019 conference proceedings (published by IEEE). A selected number of accepted papers will be invited for possible inclusion, in an expanded and revised form, in some journal special issues.

**Important Dates:**
Submission Deadline: September 7, 2019  
Notification of Acceptance: October 7, 2019  
Camera-ready papers & Pre-Registration: October 17, 2019

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