

**The 17th IEEE International Conference on Machine Learning and Applications
(ICMLA-2018)**

**Special Session: Machine Learning Applications in Education
December 17-20, 2018, Orlando, Florida, USA**

www.icmla-conference.org/icmla18

Aim

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 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 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*

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 2018 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, 2018

Notification of Acceptance: October 7, 2018

Camera-ready papers & Pre-Registration: October 17, 2018

Special Session Organizer

Prof. Dr. Halil Ibrahim BULBUL

Gazi University, TURKEY

bhalil@gazi.edu.tr, ibrahmhalil@gmail.com

Program Committee:

Prof. Dr. Yoshitaka NAKANISHI, Kumamoto University, Japan.

Prof. Dr. Vladyslav Pliuhin, O.M. Beketov National University of Urban Economy, Ukraine.

Prof. Dr. Yasar Guneri ŞAHİN, İzmir University of Economics, İzmir, Turkey.

Assoc. Prof. Dr. Farooq AHMAD, COMSTATS Institute of Informatio Technology, Pakistan.

Assoc. Prof. Dr. Erdal IRMAK, Gazi University, Turkey.

Asistant Prof. Dr. Battal GOLDAG, İnönü University, Malatya, Turkey.

Asistant Prof. Dr. Abdülkadir KARACI, Kastamonu University, Kastamonu, Turkey.