

The 11th International Conference on Educational Data Mining – EDM 2018

Preliminary Call for Papers

About the Conference

Educational Data Mining is a leading international forum for high-quality research that mines data sets to answer educational research questions that shed light on the learning process. These data sets may originate from a variety of learning contexts, including learning management systems, interactive learning environments, intelligent tutoring systems, educational games, and data-rich learning activities. Educational data mining considers a wide variety of types of data, including but not limited to raw log files, student-produced artifacts, discourse, multimodal streams such as eye-tracking, and other sensor data. The overarching goal of the Educational Data Mining research community is to better support learners by developing data-driven understandings of the learning process in a wide variety of contexts and for diverse learners.

Venue

University at Buffalo, New York, United States.

Topics of interest

Topics of interest to the conference include, but are not limited to.

- Deriving representations of domain knowledge from data.
- Detecting and addressing students' affective and emotional states.
- Informing data mining research with educational theory.
- Contributing to theories of learning through data mining.
- Data mining to understand how learners interact with emerging genres of pedagogical environments such as educational games, MOOCs, and exploratory learning environments.
- Analyzing multimodal and sensor data.
- Using data mining methods to provide support for teachers, parents and policy makers.
- Bridging data mining and learning sciences.
- Adapting state-of-the-art data mining approaches to the educational domain.
- Building an understanding of social and collaborative learning processes through data mining.

- Developing generic frameworks, techniques, research methods, and approaches for educational data mining.
- Closing the loop between education data research and educational outcomes.
- Automatically assessing student knowledge.
- Evaluating the efficacy of curriculum and interventions.

Submission Types

JEDM track papers should be formatted according to the JEDM guidelines and submitted to the JEDM (cf. <https://jedm.educationaldatamining.org/index.php/JEDM/about/submissions>).

Other papers should be submitted at <https://easychair.org/conferences/?conf=edm2018>.

Other Submissions should be formatted using the following templates: [Word](#), [LaTeX](#).

JEDM Journal Track Papers	Papers submitted to the Journal of Educational Data Mining track (and accepted before April 11th) will be published in JEDM and presented during the JEDM track of the conference.
Full Papers	10 pages. Should describe original, substantive, mature, and unpublished work.
Short Papers	6 pages. Should describe original, unpublished work. This includes early stage, less developed works in progress.
Industry Papers	6 pages. Should describe innovative uses of EDM techniques in a commercial setting.
Doctoral Consortium	2-4 pages. Should describe the graduate/postgraduate student's research topic, proposed contributions, results so far, and aspects of the research on which advice is sought.
Posters/Demos	2-4 pages. Posters should describe original unpublished work in progress or last minute results. Demos should describe EDM tools and systems, or educational systems that use EDM techniques.
Workshop/Tutorials	2-4 pages. Workshops should describe an emerging subfield and the plan organizers have to build growth in this new area. Tutorials should describe a tool or method, the organizers and their expertise, and a plan for attendees to learn it in a hands-on way.

All accepted papers will be published in the open-access proceedings of the conference.

Important Dates

Workshop and Tutorial proposals	January 14, 2018, 11:59 PM PST
Abstracts for all papers, posters, and demos	February 21, 2018, 11:59 PM PST
Full and short papers	February 28, 2018, 11:59 PM PST
JEDM track papers	February 28, 2018, 11:59 PM PST
Industry papers	February 28, 2018, 11:59 PM PST
Doctoral consortium papers	March 19, 2018, 11:59 PM PST
Acceptance notifications for workshops and tutorials	February 4, 2018, 11:59 PM PST
Acceptance notifications for all papers	April 11, 2018, 11:59 PM PST
Posters and demos	April 25, 2018, 11:59 PM PST
Acceptance notifications for posters and demos	May 16, 2018, 11:59 PM PST
Due dates and acceptance notifications for workshops	Set by workshop organizers
Conference dates	July 15-18, 2018

Committee Members

General chair: Alexander Nikolaev (University of Buffalo).

Program chairs: Kristy Elizabeth Boyer (University of Florida) and Michael Yudelson (ACT, Inc.).

Hope to see you all at EDM 2018 in Buffalo, NY.