

Apologies for cross-posting

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Current and Future Multimodal Learning Analytics Data Challenges (MMLA 2017) Workshop @ LAK

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Link: <http://sigmla.org/mmla2017/>

[#mmla2017](#)

In conjunction with LAK 2017 at Simon Fraser University, Vancouver (Canada) | March 14-15, 2017

<http://lak17.solaresearch.org>

Important Dates

15 Nov 2016: Start open submission

22 Dec 2016: Submission deadline

13 Jan 2017: Acceptance notification

14-15 Mar 2016: Workshop at LAK

Workshop Theme

The field of learning analytics is shifting from an emerging area of research to a vital component of educational research and practice. Moreover, the inherently blended nature of learning makes it essential to move beyond analyses that rely solely on a single data source (usually log files). Multimodal learning analytics (MMLA) provides insights into such learning processes that happen across multiple contexts between people, devices and resources (both physical and digital), which often are hard to model and orchestrate.

MMLA leverages the increasingly widespread availability of sensors and high-frequency data collection technologies to enrich the existing data available. Using such technologies in combination with machine learning and artificial intelligence techniques, LA researchers can now perform text, speech, handwriting, sketch, gesture, affective, neurophysical, or eye gaze analyses.

This workshop has three main inter-related objectives that frame the emerging interest in MMLA: (1) **disseminate the state of MMLA research**; (2) **facilitate and share datasets**; as well as (3) **discuss the current and future MMLA challenges** and define an agenda that guides MMLA in advancing both research and practice. For that purpose, the workshop will offer the opportunity to explore MMLA techniques and data in pre-made virtual environments, using sample datasets. Besides, the participants will be able to present their own datasets or dataset proposals, and discuss their challenges with the community, setting the stage for current challenges and drafting the main lines of the MMLA research agenda.

This workshop aims to join participants with different backgrounds: existing and new MMLA researchers, as well as LA researchers and practitioners that can use the workshop to discover how to incorporate multimodal data into their ongoing research.

Submissions

To contribute to the workshop, authors should submit a short paper (2-5 pages) following the ACM conference guidelines. The papers can follow any of the following submission options:

- A description of a multimodal dataset (existing or in the making) and the challenges found in any of the analytical phases (data gathering, integration, analysis, or visualization).
- A MMLA approach applied to a multimodal data set, including the challenges found during the process.

In both cases, the organisers encourage the authors to share their datasets with the community. The submissions will be reviewed in a single-blind way, so identifying information can be used in the review version. The contributions should be submitted using the [EasyChair platform](#).

All the accepted papers will have to prepare a poster which will be presented during the workshop. After the conference, the authors will be invited to submit an extended version of the papers taking into considerations the feedback received during the process. The extended papers will be published through the [CEUR workshop proceedings](#).

If you have any further questions, do not hesitate to contact the organisers.

Organising Committee

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