3rd CrossMMLA: Multimodal Learning Analytics Across Physical and Digital Spaces

LAK 19 ASU March 4-6 info: https://lak19.solaresearch.org/

WORKSHOP DESCRIPTION

Students' learning is ubiquitous. It happens wherever the learner is rather than being constrained to a specific physical or digital learning space (e.g. the classroom or the institutional LMS respectively). A critical question is: how to integrate and coordinate learning analytics to provide continued support for learning across physical and digital spaces? CrossMMLA is the successor to the Learning Analytics Across Spaces (CrossLAK) and MultiModal Learning Analytics (MMLA) series of workshops that were merged in 2017 after successful cross-pollination between the two communities.

CrossLAK and MMLA perspectives follow different philosophical and practical approaches, they both share a common aim. This aim is to develop strong research foundations for the analytics of learning through different modalities in different learning contexts. Also, at LAK'19, the CrossMMLA workshop will run in conjunction with the MMLA challenge at LAKHackathon as complementary workshops. While CrossMMLA aims at a more theoretical confrontation among MMLA researchers, the LAKHackathon offers the space to share practical MMLA challenges, to show early-stage prototypes or share MMLA datasets. To strengthen the linkage for CrossMMLA with the other workshops and research communities, we encourage therefore participation in both CrossMMLA and LAKHackathon workshops.

EXPECTED OUTCOMES

The primary intended outcome of the workshop will be the creation of a knowledge-base on how to apply learning analytics to different modalities in different learning contexts. The mini-tutorials will produce considerable content that could be a valuable asset for the LAK community.

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WORKSHOP FORMAT

The workshop is envisioned to be a one full day workshop divided into three parts:

1. The first part will be a panel discussion focused on intermediate constructs/indicators in CrossMMLA (a recurring topic that emerged in the last workshops).
2. The second part will consist of a "tutorial madness", a series of mini-tutorials focused on specific aspects of CrossMMLA research and practice. We will invite mini-tutorial proposals

on how to capture, analyze and interpret different modalities (posture, gaze, biosignals, voice, speech, digital pen, among others) or on how to use learning analytics in different physical settings (the classroom, the lab, the maker space, among others).

3. The third part will consist of a group discussion on how to move forward in CrossMMLA research through a SIG in SoLAR, the yearly MMLA tutorial at LASI and events at other conferences.

WORKSHOP SCHEDULE

Time	Activity
08:30	Registration
09:00 - 10:30	Welcome & Panel Discussion CrossMMLA Constructs
10:30 - 11:00	Morning Tea
11:00 - 12:30	Tutorial Madness 1
12:30 - 13:30	Lunch
13:30 - 15:00	Tutorial Madness 2
15:00 - 15:30	Afternoon Tea
15:30 - 17:00	After Action Review of Tutorial Madness Building a CrossMMLA Community

PARTICIPATION & SUBMISSIONS

Everyone is invited to attend the workshop. Mini-tutorial presenters are encouraged to submit a proposal (4-6 pages) in the format required for the companion proceedings. There is no restriction on the number of mini-tutorials submitted by the same author. We are aiming to have up to 24 participants.

All submissions should be formatted as per the following Proceedings Format of the LAK'19 conference proceedings. The use of the supplied template is mandatory: [Template](#)

Submissions via [EasyChair](#)

IMPORTANT DATES

- Dec 3rd: Workshop papers submission deadline
- Jan 4th: Notifications sent out (early-bird registration deadline of 8th January)
- Feb 5th: Final version of papers due for Companion Proceedings

ORGANIZERS

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