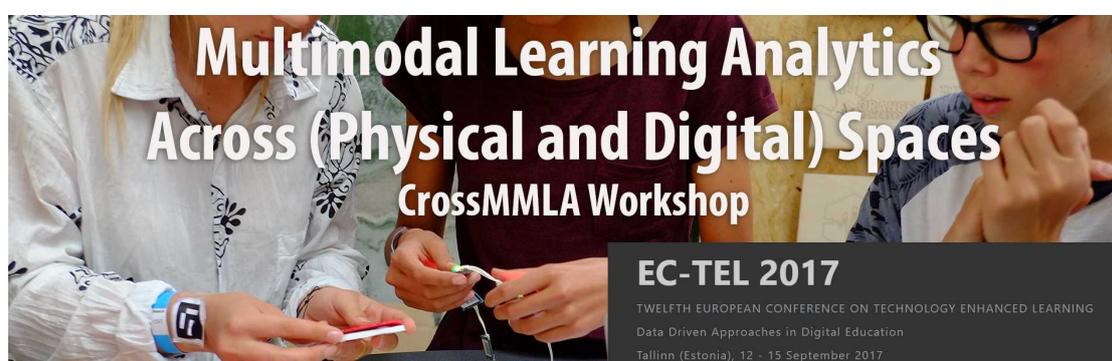# Multimodal Learning Analytics Across (Physical and Digital) Spaces

Extended Deadline for CrossMMLA an EC-TEL workhshop CfP

June 26, 2017

1 Workshop Goals

As part of EC-TEL 2017, the Twelfth European Conference on Technology Enhanced Learning with the theme of Data Driven Approaches in Digital Education, focusing on the new possibilities and challenges brought by the digital transformation of the education systems. We are thrilled to announce the first Multimodal Learning Analytics Across (Physical and Digital) Spaces (CrossMMLA) workshop. Student's learning happens where the learner is rather than being constrained to a single physical or digital environment. Educational research has revealed the pedagogical benefits of letting students experience different types of content, "real world" challenges, and physical and social interactions with educators or other learners. In this way students commonly work outside the boundaries of the institutional learning system(s). This inherently blended nature of learning settings makes it essential to move beyond learning analytics that rely solely on a single data source (e.g. log files). Multimodal learning analytics (MMLA) can provide 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.

One of the key aims of the workshop is to attract researchers (from diverse communities) to consider how multimodal learning analytics can be used across diverse learning environments. This workshop intention is to gather interested parties in ubiquitous, mobile and/or face-to-face learning analytics with a focus on multimodal interaction. An overarching concern is how to integrate and coordinate learning analytics to provide continued support to learning across digital and physical spaces.

More information at our website

2 Expected Outcomes

The theme of the workshop is "Multimodal Interactions Across Physical and Digital Spaces in Real World Learning Contexts". The workshop highlights the need for devising learning analytics innovations that can provide timely feedback and support to learners and teachers in real-world contexts. The above theme aims to encourage workshop participants to think about this educational need in our increasingly complex everyday world and to consider both the growing interest in real-world learning analytics. The workshop will focus on the following four sub-themes:

- Learning analytics across digital and physical spaces

- Integration of multiple data sources

- Engaging and communicating meaning to learners and teachers from learning analytics

- Challenges for multimodal learning analytics across diverse spaces

2.1 Short Papers

Short papers - 4-6 pages (5 pages minimum for inclusion in CEUR Proceedings). Short papers consist of authors describing their research in the area of learning analytics across physical and digital spaces. Authors of successful submissions will give a brief firehose presentation and present a poster at the poster session during the workshop.

2.2 Position Papers

Position papers - 2-5 pages (5 pages minimum for inclusion in CEUR Proceedings). Position papers explain a unique perspective on the field that the author would like to contribute. Authors of successful submissions will participate in one panel to be held during the workshop.

2.3 Participant Requirements

All workshop participants are encouraged to submit at least one paper under any of these two categories. There is no restriction on the number of papers submitted by the same author. The submission of a paper is not compulsory. After the conference, full-length submissions resulting from the discussions will be published on CEUR (http://ceur-ws.org/), and we are exploring the joint edition of future journal special issues on the topic.

2.4 Workshop Format

The workshop is envisioned in three parts. The first part of the workshop are the posters from the short papers. Part two, an extended panel discussion based on the position papers. The third part of the workshop looks towards the future and builds the emerging CrossMMLA community by discussing concrete activities that span collaboration, education, and practice.

2.5 Workshop Schedule

- 0900 - 0930 - Welcome

- 0930 - 1100 - Posters

- Break

- 1130 - 1230 - Position Panel and discussion

- Lunch

- 1330-1500 - Future Directions workshop

- Break

- 1530-1630 - Sum up and Next Steps

3 Important Dates

All submissions should be formatted as per the following Proceedings Format of the EC-TEL conference proceedings within Springer "Lecture Notes in Computer Science (LNCS) Series". The use of supplied template is mandatory: Template

New Extended Deadlines & All submissions via Easychair

- Abstracts (optional): June 10, 2017

- **Final Extended Submission Deadline: July 8, 2017**

- Notifications: July 22, 2017

- Camera Ready: July 30, 2017

- **Workshop: Wednesday, September 13, 2017**

4 Workshop Organizers

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