IMCL2021
"New Realities, Mobile Systems and Applications"

Mediterranean Palace Hotel*, Thessaloniki, 4-5 November 2021
* IMCL2021 is planned as a hybrid event (remote & onsite presentations will be supported)

Special Session Call for Papers

(Mobile) Mixed and Augmented Reality in Education (MAR-EDU'2021)

Overview

Mixed Reality (MR) is broadly defined as the merging of real and virtual worlds to produce new contexts. Augmented Reality (AR) is the superposition of computer-generated elements in the real world. The rapid growth of mobile technologies facilitate the development of MR and AR systems and applications. Both MR and AR are evolving fast and are opening new horizons in education and training. MR and AR have the potential to offer engaging and immersive learning experiences improving learning outcomes in formal and informal education. These relatively new educational technologies necessitate new theoretical and empirical studies to explore how MR and AR can be effectively used in education, what instructional methods and pedagogies are appropriate to use and how teachers and learners can take full advantage of them.

The special session "(Mobile) Mixed and Augmented Reality in Education" (MAR-EDU'2014) within the IMCL 2021 International Conference aims to promote the discussion on the applications and the impact of Mixed and Augmented Reality in Education. It will provide an opportunity for researchers and practitioners to present their latest work and propose Mixed and Augmented Reality systems and solutions, pedagogies and instructional design methodologies as well as case studies and implementations.

Topics

The special session "(Mobile) Mixed and Augmented Reality in Education" (MAR-EDU'2021) invites original papers (full/short/poster submissions) in the following topics:

- Learning and teaching in virtual worlds
- Mobile assisted Mixed and Augmented Reality
- Smart Glasses in Teaching and Learning
- Instructional design with Mixed and Augmented Reality
- Mixed and Augmented Reality in online education
- Mixed and Augmented Reality pedagogies and didactics
- Collaborative learning in Mixed and Augmented Reality contexts
- Game-based learning in Mixed and Augmented Reality
- Problem-based learning in Mixed and Augmented Reality
- Inquiry-based learning in Mixed and Augmented Reality
- Mixed and Augmented Reality – based assessment
- Mixed and Augmented Reality in science education
- Mixed and Augmented Reality in special education
- Mixed and Augmented Reality in language education
- Mixed and Augmented Reality in medical education
- Mixed and Augmented Reality in archaeology education
- Mixed and Augmented Reality in cultural heritage
- Mixed and Augmented Reality in field trips

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- Evaluation of Mixed and Augmented Reality in education
- Affective issues in Mixed and Augmented Reality
- Teacher training in Mixed and Augmented Reality
- Wearables in education
- Simulations and virtual labs in teaching and learning
- Teachers and students' perceptions about Mixed and Augmented Reality
- Mixed and Augmented Reality adoption
- Usability issues in Mixed and Augmented Reality
- Mixed and Augmented Reality related ethics

Contribution Types

Papers for the Special Session should have between 8 and 10 pages.

All submissions will be peer-reviewed by at least two reviewers. Accepted papers will be included in the conference proceedings if at least one author pays the registration fee AND the paper is presented. The conference proceedings will be published as IMCL2021 Proceedings in the Springer series "Advances in Intelligent Systems and Computing".

For further questions, please contact the track chair(s).

Presentation Types

IMCL2021 is planned as a hybrid event, therefore remote & onsite presentations will be supported.

Important Dates

10 Jul 2021   Submission of complete papers for special sessions
26 Jul 2021   Notification of acceptance
06 Sep 2021   Camera-ready due & author registration deadline
04 Nov 2021   IMCL2021 Conference Opening

Submission

Please visit: https://www.conftool.org/imcl-conference and submit your paper by selecting the respective special session.

Program Committee

Chair(s)

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Members

Helen Crompton, Old Dominion University, USA
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