

Call for Papers
(Extended Deadline for complete paper submission)
“Motivating Students with Mobiles for STEM” (MsM for STEM 2017)
<http://conta.uom.gr/MsMforSTEM>

Special Session @ EDUCON2017
IEEE Global Engineering Education Conference
Athens, Greece, 25-28 April 2017
<http://educon-conference.org/educon2017/>

Mobile learning, offers learners the potential to acquire knowledge and skills in a ubiquitous and personalized manner, facilitating a learner-centered learning experience in “anytime and anywhere” settings. Among the numerous elements that are associated with a successful mobile learning strategy, emotional, affective and motivational factors are considered especially important and need to be further investigated.

STEM (Science Technology Engineering and Mathematics) education is currently one of the main priorities in many educational systems worldwide. Despite the fact that employment opportunities in STEM professions are growing, the number of students interested in pursuing science careers is on a descendent trend. How can mobile technologies be used in order to motivate students towards STEM education?

The special session [“Motivating Students with Mobiles for STEM” \(MSM for STEM 2017\)](#), within the “EDUCON2017 IEEE Global Engineering Education Conference”, in line with the objectives of the [MsM’2014](#) and [MsM’2015](#) Special Sessions and the growing interest of the educational community towards fostering STEM education, aims to continue and promote the discussion about the motivational aspects of mobile learning, with special focus on supporting STEM education. It will provide an opportunity for researchers and practitioners to present their latest work on evaluating the impact of mobile learning on student motivation and learning, and propose pedagogies, motivational strategies, instructional design methodologies and implementations to support and enhance STEM education through the appropriate uses of mobile technology.

The special session “Motivating Students with Mobiles for STEM” (MsM for STEM 2017) invites original papers (full/short/poster submissions) focusing on fostering student motivation and engagement in STEM subjects, using mobile technologies. The topics include (but are not limited to):

- Modeling Motivation in Mobile Learning for STEM,
- Evaluation and Measurement of Motivation in Mobile Learning for STEM,
- Pedagogies and Motivation in Mobile Learning for STEM,
- Motivation and Affect in Mobile Learning for STEM,

- Motivation and Cognition in Mobile Learning for STEM,
- Motivation and Creativity in Mobile Learning for STEM,
- Personalized Motivational support in Mobile STEM Learning,
- Motivational Feedback in Mobile STEM Learning,
- Mobile assisted Problem-based and Project-based Learning to increase Motivation towards STEM,
- Motivation in Virtual and Remote operated labs with mobile devices,
- Motivation in Inquiry-based Mobile Learning,
- Motivating Mobile Learning for students with disabilities,
- Motivation in Game-based Mobile Learning,
- Motivation in Wearables-based Learning,
- Gamification and Motivation in Mobile Learning for STEM,
- Collaborative Mobile-based STEM Learning,
- Motivation in mobile MOOCs for STEM,
- Motivating mobile students in Cloud-based Learning,
- Mobile Learning Assessment and Motivation in STEM Education,
- Mobile Learning Adoption and Acceptance in STEM Education,
- Mobile Learning and gender-related issues in STEM education
- Teachers and Students perceptions about Mobile Learning for STEM,
- Parents perceptions about Mobile Learning for STEM.

Special sessions, held in parallel with the general conference, are an integral part of the conference. Special session papers are required to meet the same standards as papers in the general conference and are published in the same conference proceedings. Articles submitted to “MSM for STEM 2017” will follow the Conference Submission System (<https://www.conftool.com/educon/>) and presented papers will appear in the EDUCON2017 proceedings, published by IEEE and listed in IEEE Xplore.

Selected papers could be rewritten and submitted to special issues of OnlineJournals.ORG, (<http://www.online-journals.org>).

MsM for STEM 2017 Special Session chairs

- **Anastasios A. Economides**, Full Professor, Director [CONTA -Computer Networks & Telematics Applications Lab](#), University of Macedonia, Thessaloniki, GR, Email: economid@uom.gr, Webpage: <http://users.uom.gr/~economid>
- **Stavros A. Nikou**, Interdepartmental Programme of Postgraduate Studies in Information Systems, University of Macedonia, Thessaloniki, GR, Email: snikou@uom.edu.gr Webpage: <http://users.uom.gr/~snikou>.

MsM for STEM 2017 Program Committee

Santi Caballe, Open University of Catalonia, ES

Geoffrey Crisp, University of New South Wales, AU

Helen Crompton, Old Dominion University, USA
Thanasis Daradoumis, University of the Aegean, GR
Anastasios A. Economides, University of Macedonia, GR
Martin Ebner, Graz University of Technology, AT
Michail Giannakos, Norwegian University of Science and Technology, NO
Sofia-Eleftheria Gonida, Aristotle University of Thessaloniki, GR
Piet Kommers, University of Twente, NL
Davinia Hernández-Leo, Universitat Pompeu Fabra, ES
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Stavros A. Nikou, University of Macedonia, GR
Maria Perifanou, University of Macedonia, GR
Teresa Restivo, University of Porto, PT
Demetrios Sampson, Curtin University, AU and University of Piraeus, GR
Marcus Specht, Open University of the Netherlands, NL

Important Dates:

06	Dec	2016	Submission of complete papers (EXTENDED)
21	Dec	2016	Notification of acceptance
06	Feb	2017	Author registration and payment, Camera-ready submission
25	Apr	2017	Pre-conference workshops
26	Apr	2017	Conference Opening

Contact:

Website: <http://conta.uom.gr/MsMforSTEM>

Email : snikou@uom.edu.gr