PostGraduate Program: "**Interdisciplinary Approach on STEM EDUCATION**"
2nd International Conference on Innovating STEM Education
http://stemeducation.upatras.gr/histem2018/

22-24 June 2018, Deutsche Schule Athen, Greece

Organizing Committee

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Submission

Authors are invited to submit regular full papers, short papers and posters through the conference online system (easychair).

Registration fees

50 Euro prior to May 30, 2018
70 Euro after May 30, 2018
University Students: 25 Euro

In recent years, there has been a focus on promoting the uptake of STEM subjects in schools. This has been driven by the need to ensure that young people gain the knowledge and skills essential to help them participate in a society in which mathematics, science and technology are increasingly important. Nevertheless, reform efforts, including curriculum development have treated the STEM subjects mostly in isolation. Recognizing that education within the individual STEM disciplines has great value and that efforts to improve discipline-centered teaching and learning should continue, this conference considers the potential benefits—and challenges—of an explicit focus on integration. In order to prepare students to address the problems of our society, it is necessary to provide students with opportunities to understand the problems through rich, engaging, and powerful experiences that integrate the disciplines of STEM.
The conference provides a platform for dissemination of best practice in teaching and learning in Greece, and will inspire and empower STEM educators to improve teaching quality, to Increase engagement in STEM education and career pathways, to connect students with real life industry relevancy, and to drive creativity, inquiry based learning, problem solving & project based learning.

The conference will contain three strands:

1. **Invited speakers**
2. STEM Education Research will include presentations from leading STEM education researchers who are examining pressing challenges in STEM education. For example, sessions on integrated STEM education, mathematics education, science education, engineering education, technology education, etc. will be offered.
3. K-12 STEM Practice will include selected 20 minutes presentations and workshops from individuals and teams from K-12 schools who are implementing STEM programs and school approaches. For example, sessions on problem and project based pedagogy, engineering design process, integrated STEM curriculum development, strategic planning, and/or engineering education practices will be offered

Conference attendees will benefit on:

-Make ICT real world relevant but still cover curricular outcomes
-Understand the different types of projects they can implement
-Design a project based learning Maths and Science unit
-Run assessments in a project based learning setting
-Use the right assessment tools for project based learning
-Explore best practices for mentoring and training STEM students to develop the knowledge and skills necessary to connect their learning to real-world problems
-Identify institutional practices for integrating the values and traditions of STEM disciplines with other campus domains to fully capture the distinct characteristics and comprehensive nature of scientific solutions.

Important Dates

Paper submission: 15 April 2018
https://easychair.org/conferences/?conf=histem2018
Notification of acceptance: 15 May 2018
Camera-ready submission: 30 May 2018
Conference date: 22-24 June 2018

Conference web site: http://stemeducation.upatras.gr/histem2018/