



2nd International Conference on Innovating STEM Education

**Interdisciplinary approach on Science, Technology,
Engineering and Mathematics in Education – STEM Education**

Conference Program

22-24/6/2018

**Deutsche Schule Athens, Greece
Dimokritou 6 & Germanikis Scholis Athinon**

Post Graduate Program: "Interdisciplinary Approach on STEM EDUCATION"

2nd International Conference on Innovating STEM Education

Conference Program

Friday 22.06.2018

16:00	Registration
17:00-17:40	Damn! We still forgot the Maths Eugenia Koleza
17:40-18:20	STEM education revisited - a German perspective Ekkehard Winter- Executive Director Deutsche Telekom
18:20-19:00	Science in Writing: Representing and Assessing Disciplinary Knowledge in Online Learning Spaces. Mary Kalantzis & Bill Cope
19:00-19:30	Coffee Break
19:30-20:00	Transforming the traditional School Science Laboratory into an STEM Lab Michalis Orfanakis

Saturday 23.06.2018

09:30-10:10	Students' Reasoning with the Pantograph Anna Athanasopoulou, Michelle Stephan and David Pugalee
10:10-12:00	Round-Table
12:00-12:20	Mathematics & Engineering design: The working space of the pantograph Eugenia Koleza & Maria Kaisari
12:20-14:00	Light Meal
14:00-14:20	Nicola Yelland Flinders University Australia
14:20-14:40	Determining «Dark Matter» in school lab Maria Theodoropoulou and Ioannis Chiotelis
14:40-15:00	System development for remote education robotic to study the spatial ability of students Konstantinos Kalovrektis
15:00-15:30	EELLAK
15:30-16:30	Coffee Break
16:30-16:50	Introduction to Physical Computing with Raspberry Pi in a STEM Education Framework Nikolaos Balaouras, Anthi Karatrantou, Georgios Panetas and Christos Panagiotakopoulos
16:50-17:10	STEM Education in Primary School: Applying the Social Cognitive Approach to an Educational Programming Environment Anastassios Emvalotis, Artemisia Stoumpa, Aggeliki Nikolou, Athanasios Cheilas

17:10-17:30	STEM education post-graduate students' training in the eCraft2Learn ecosystem Dimitris Alimisis and Dimitrios Loukatos
17:30-17:50	Educational Robotics & Children's Attitudes Towards STEM Marina Karemfyllaki, Anthi Karatrantou and Christos Panagiotakopoulos
18:00-19:00	Coffee Break
19:00-19:20	From STEM to STEAM and to STREAM enabled through meaningful critical reflective learning Vassilios Makrakis
19:20-19:40	A STEM Educational Scenario: "From Water Power to Hydrogen Fuel Cells Ioannis Chiotelis and Maria Theodoropoulou
19:40-20:00	Bridging STEM (Science, Technology, Engineering & Mathematics) Education with Education for Sustainability Nelly Kostoulas-Makrakis

Sunday 24.06.2018

10:00-10:20	Web-based repository of STEM activities for education & integration of refugees and migrants - STEMigrants.eu Christina Lousta and Ioannis Lefkos
10:20-10:40	Designing Bridges : Preparing postgraduate students for STEM Project- Based learning Kostas Asimakopoulos, Panagiotis Dimoulas
10:40-11:00	Proposals for the educational utilization of Augmented Reality Applications Fanny Chioteli and Timoleon Theofanellis
11:00-12:00	Conference Conclusions - Distribution of Certificates of Attendance

