



## **EDUROBOTICS 2016 – Call for papers**

### **International Conference “Educational Robotics 2016”**

(Former Int. Workshop “Teaching Robotics, Teaching with Robotics-TRTWR”)

#### **Organizers**

**EDUMOTIVA (European Lab for Educational Technology), Greece**

**Dept. of Information Engineering, University of Padua, Italy**

**INNOVATHENS- Hub of  
Innovation & Entrepreneurship Technopolis City of Athens**

Website: <http://edurobotics2016.edumotiva.eu>

**Where:** INNOVATHENS- Hub of Innovation & Entrepreneurship Technopolis City of Athens

**When:** November 25, 2016

#### **International Program Committee**

##### **Co-chair persons**

Dimitris Alimisis, Edumotiva, GR

Michele Moro, Information Engineering Dept, Univ. of Padua, IT

##### **Program Committee Members**

Richard Balogh, Slovak University of Technology in Bratislava, SK

Ansgar Bredenfeld, Dr. Bredenfeld UG, Magdeburg, DE

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Baran Çürüklü, Mälardalen University, SW

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Amy Eguchi, Bloomfield College, USA

Nikleia Eteokleous, Robotics Academy & Frederick University, CY

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Stefano Monfalcon, Town Museum of Rovereto, IT

David Obdržálek, Charles University in Prague, CZ

Pavel Petrovic, Applied Informatics Dept., Comenius University in Bratislava, SK

Alfredo Pina, Public University of Navarra, ES

Sandra Schön, Salzburg Research, AT

Igor Verner, Department of Education in Technology and Science, Technion – Israel Institute of Technology, IL

## Call for papers

The “**Educational Robotics 2016**” (**EDUROBOTICS 2016**) **International Conference** builds on a number of previously and successfully conducted international workshops.

The international workshops date back to 2008 where it was first held in [Venice](#) entitled “Teaching Robotics and Teaching With Robotics- TRTWR” in the context of the [TERECOP project](#) The last eight years the workshop has successfully carried out in [Darmstadt \(2010\)](#), in [Riva del Garda \(2012\)](#) and in [Padua \(2014\)](#) The publications of each workshop have been included in open online proceedings and 2 special issues in journals: [Themes in Science & Technology Education, vol. 6, No1 \(2013\) guest editors D. Alimisis, M. Moro](#) & [Robotics & Autonomous Systems Journal, Jan 2016, guest editors D. Alimisis, M. Moro.](#)

The interest in the continuation of the international workshop and the previously successful editions witness the continuously growing interest in educational robotics world-wide and enable the building of a community of researchers and educators with interest in the area of Educational Robotics across EU and beyond.

The EDUROBOTICS 2016 Int. Conference builds on the pedagogical theories of constructivism and constructionism (Piaget, Papert) and this year focuses on “**Educational Robotics in the Makers Era**”. With this as a central theme, the conference aims at positioning educational robotics in the Makers Era, identifying connections with digital fabrication and maker movement, and exploring how educational robotics can trigger the development of skills in STEAM, develop technological interest, creative thinking, collaborative, and problem solving skills – skills that are essential in the workplace of the 21st century.

**Participants will have the opportunity to participate also in the ROBOESL conference** (Robotics-based learning interventions for preventing school failure and early school leaving) that will be held on November 26, 2016 in the context of the ROBOESL project (ERASMUS+ 2015-17 [www.roboesl.eu/conference](http://www.roboesl.eu/conference))

## Conference topics

- Educational robotics (edurobotics) in the framework of the digital fabrication and maker movement
- Edurobotics and Tinkerability
- From "black box" to "white box": learners as "makers" rather than just consumers
- 3D printing and edurobotics
- 3D modeling and edurobotics
- Teacher training in edurobotics in the context of the maker movement
- Constructionist learning methodologies in edurobotics and digital fabrication
- Virtual reality simulators and virtual robots
- Visual programming tools in edurobotics
- Open educational resources in edurobotics and digital fabrication

We cordially invite academics, researchers and educators active in the field of educational robotics at all levels of education (primary, secondary and tertiary), including young researchers, PhD and post-graduate students to submit their papers or posters.



## Venue

The conference will take place at INNOVATHENS-  
Hub of Innovation & Entrepreneurship Technopolis  
City of Athens

<http://www.innovathens.gr/contact-us/>

## Paper and poster submission

Submissions must be original and should not have been published previously. The official language of the conference is English. The papers should be between 8-15 pages and include: Title of the paper, abstract, keywords, author's name(s), speaker's name, affiliation, e-mail, preference for oral or poster presentation.

We welcome also the submission of short papers (up to 4 pages) reporting good practices or work in progress in the form of "short paper plus poster". The short papers will be included in the proceedings; the posters will be presented at the conference during the poster session.

The authors should prepare their papers using this [template](#). The papers should be submitted in **pdf format** by the submission deadline via the EasyChair conference system using the following link:

<https://easychair.org/conferences/?conf=edurobotics2016>

Authors of accepted papers will be requested to submit by December 15, 2016 the final source files and other items requested by Springer (please read [Springer Instructions for authors](#)). In addition, upon approval you would be asked to adjust your paper following the guidelines for authors provided by Springer (for more details see here: [Author Guidelines for the Preparation of Contributions to Springer Computer Science Proceedings](#)).

### Publication

All the submissions will be peer-reviewed. Accepted papers will be published in the proceedings. At least one author for each paper or

poster must register in the conference to present the paper or poster. The proceedings will be published in both printed and electronic format in the **Springer book series**



### **"Advances in Intelligent Systems and Computing"**

#### Important dates

- Submission deadline (only pdf file): ~~July 10, 2016~~ **August 31, 2016**
- End of reviewing: ~~September 10, 2016~~ September 25, 2016
- Final submission of papers (only pdf file): ~~October 09, 2016~~ October 16, 2016
- Notification of acceptance: ~~October 17, 2016~~ October 23, 2016
- Conference: November 25, 2016
- Submission of the final source files and other items requested by Springer: Dec 15, 2016

### Contacts

Any inquiries regarding the EDUROBOTICS 2016 Conference should be sent to the co-chair persons:

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**Official website** <http://edurobotics2016.edumotiva.eu/>

We are looking forward to receiving your papers and to meeting you in Athens this November!