EDUROBOTICS 2016 – 2nd 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
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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)

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 follow the Author Guidelines for the Preparation of Contributions to Springer Computer Science Proceedings and submit their paper in pdf 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).

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
- End of reviewing: September 10, 2016
- Final submission of papers (only pdf file): October 09, 2016
- Notification of acceptance: October 17, 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://www.edumotiva.eu/edurobotics2016

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