

4th TRTWR & RIE 2014 - Final Call for Papers

We are pleased to announce that two distinguished events in the field of Educational Robotics, the 4th International Workshop “Teaching Robotics & Teaching with Robotics” (TRTWR) and the International Conference “Robotics in Education” (RIE 2014) join forces in 2014. The joint 4th TRTWR & RIE 2014 event will be held in Padova, Italy, July 18, 2014.

Both events have a history of previous successful editions which witness the continuously growing interest in educational robotics in Europe and world-wide: the TRTWR workshop originated by the TERECoP project (www.terecop.eu) in [Venice \(2008\)](#) and grew up in [Darmstadt \(2010\)](#) and in [Riva del Garda \(2012\)](#). Previous RIE: RIE conference counts so far 4 editions; in [Bratislava \(2010\)](#), [Vienna \(2011\)](#), [Prague \(2012\)](#) and [Łódź \(2013\)](#). The joint conference will offer the latest results in the fields of research and development in Educational Robotics as well as new applications, the latest products, systems and components for using robotics in schools, in universities and in informal education. TRTWR & RIE 2014 aims at providing an insight to the latest state-of-the-art educational robotics to participants from academia, schools, and industry.

The 13th International Conference on Intelligent Autonomous Systems <http://www.ias-13.org/> has been chosen as conference platform. The Series of International Conference on Intelligent Autonomous Systems (IAS) founded in 1986 is one of the major events in the field world-wide. As the IAS conference will last from July 15 to July 18, 2014, there is the possibility and time for all participants to attend this interesting conference as well. On Saturday, July 19, participants can also join the Special Fireworks Night of Venetian Feast of the Redeemer.



Video presentations are recommended when they help presenters to offer a better understanding of robots, experiments and technical or educational practices. There will be also a poster session. We expect an exciting conference programme in July 18, 2014 and cordially invite researchers and educators from the field of Educational Robotics to submit their papers.

We are looking forward to receiving your papers and to meeting you in Padova and in Venice this July!

Dimitris Alimisis, School of Pedagogical & Technological Education, GR

Grzegorz Granosik, Lodz University of Technology, PL

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

Venue

The joint conference TRTWR & RIE 2014 will take place at Congress



Centre 'Papa Luciani', Padova - Italy, <http://www.paduaconferencecenter.com>, July 18, 2014 in conjunction with the IAS conference, which will be held July 15-18, 2014.

International Programme Committee

Co-Chairs

Dimitris Alimisis, School of Pedagogical & Technological Education, GR

Grzegorz Granosik, Lodz University of Technology, PL

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

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Francis Wyffels, Ghent University, BE

Elisabetta Zibetti, Laboratoire CHART-LUTIN (Cognition Humaine & Artificielle EA 4004), University Paris 8, FR

Organisation

The organisation of the TRTWR & RIE 2014 will be run by IT+Robotics, spin-off of the University of Padova (www.it-robotics.it).

Organisation chair: Irene Pagello, irene.pagello@it-robotics.it

Topics

Papers related, but not limited, to the following topics of interest are welcome:

- Robotics in school
- Robotics curricula
- International trends in educational robotics
- Project-based learning and robotics
- Didactic approaches in educational robotics
- Exemplary robotics projects in classes
- Web-based robotics and simulation
- assessment and evaluation of robotics--enhanced class activities
- Integration of robotics in school science/informatics/technology curricula
- Integration of robotics in other subjects and school curricula
- Evaluation criteria and tools for measuring the impact of robotics on students' learning
- Constructivism / Constructionism and robotics

- Teacher training in educational robotics
- Methodologies for teaching robotics
- Robotics competitions/contests and their educational impact
- Robotics through Edutainment / Museums / Personal robots and their educational value
- Remote robotics
- Humanoid Robots in education

Paper Submission

Submissions must be original and should not have been published previously. The official language of the TRTWR & RIE 2014 is English. All submitted papers should include: Title of the paper, abstract, keywords, author's name(s), speaker's name, affiliation, e-mail, preference for oral or poster presentation. Authors have to submit their paper in pdf format (6-8 pages of DIN A4 sheet) via the EasyChair conference system using the following link:

<https://www.easychair.org/conferences/?conf=trtwrrie2014>

Authors should follow strictly the typing instructions available from here http://www.terecop.eu/TRTWR2014/type_instructions.doc

Poster session

We welcome the submission of short papers (2 pages) reporting good practices and successful experiences from educational robotics projects in the form of "short paper plus poster". The short papers (2 pages) will be included in the proceedings; the posters will be presented at the workshop during a poster session.

Publications

All the submissions will be double peer-reviewed. Accepted papers and posters will be published in the proceedings. At least one author for each paper must register in the event to present a paper or a poster. The proceedings will be published in electronic format with ISBN and will be made available through the official conference website at <http://www.terecop.eu/TRTWR-RIE2014.htm>

Authors of the best published papers will be invited to publish extended versions of their papers in a special issue at the **Elsevier Journal Robotics and Autonomous Systems** (<http://www.journals.elsevier.com/robotics-and-autonomous-systems>)

Important dates

- submission deadline April 1, 2014
- notification of acceptance May 15, 2014
- Submission deadline for camera ready papers June 15, 2014

Registration

Registration fees: early €145 - on site €195, early registration will be possible by June 1st, 2014; for more details and electronic registration form please visit the [registration page of the IAS-13 conference](#)

Contacts

Any inquiries relating to TRTWR & RIE 2014 should be sent to the co-chairs:

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Official website <http://www.terecop.eu/TRTWR-RIE2014.htm>