

Call for Contributions

May 21-22, 2015

Yverdon-les-Bains, Switzerland

Join RiE 2015, the 6th International Conference on Robotics in Education

The 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.

RiE conferences have a history of previous successful editions which witness the continuously growing interest in educational robotics in Europe and world-wide. RiE conferences count so far 5 editions; in Bratislava (2010), Vienna (2011), Prague (2012), Lodz (2013), and Padua (2014).

The 6th International Conference on Robotics in Education will be held along with other events, during the Swiss Robotic Days. Robotics will then be considered in a broad spectrum, reaching from novel areas of science, through technological developments, industrial and commercial applications, all the way, to entertainment, art and culture, including activities for the youth.

A particular place is allotted to education.

The Robotics in Education Conference is thus the framework for providing best science in robotics, while addressing schematically two complementary kinds of contributions: on one side on technical aspects and on the other side on matters of pedagogy.

Application may be considered here for the whole educative range, from elementary school to high school, college, university and beyond, for continuing education and possibly outreach and workforce development. A particular place is given to robotic contests.

The call is made both for papers and for workshops.

topics

- 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
- Web-based Robotics, Simulation, remote educational robotics
- Humanoid Robots in education
- Dextrous autonomous robots and humanoids
- Cognition , natural and automated-Cognitics



Papers

Submissions must be original and should not have been published previously. The official language of RIE 2015 is English; French may also be considered in selected cases, especially in synergy with possible regional contributions.

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.

Submitted papers must follow the two-column format with single-spaced, ten-point font in the text. The length of submitted papers can be max 6 pages including figures and references. After the successful review process, the final version of the paper (max. six A4 pages) is to be prepared according to the templates. LaTeX and Microsoft Word templates are based on the IEEE Manuscript Templates for Conference Proceedings.

Upon paper acceptance, at least one of the authors shall register to the conference.

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 (format, as for papers); the posters will be presented at the workshop during a poster session. The format is similar to the beginning of a paper (title, author(s)/organizer(s), contact information -address and email, and an extended abstract, along with the A4 copy of the poster.

Proposals of workshops and special sessions

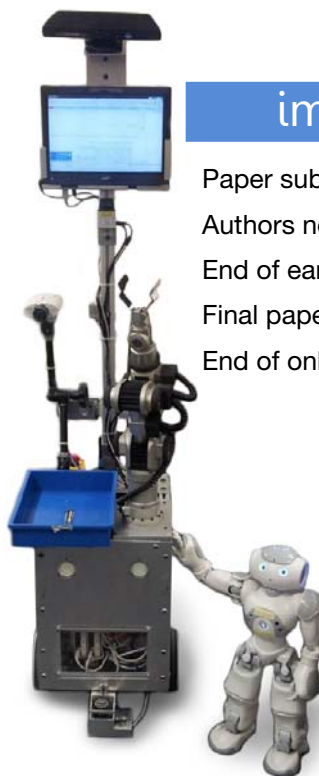
Proposals for workshops or special sessions can be addressed to the co-chairpersons, stating the purpose, intended audience and rough requirements in terms of infrastructure. A short description, for communication purpose, should be provided. The format is similar to the beginning of a paper (title, author(s)/organizer(s), contact information -address and email, and abstract).

committee

Co-Chairpersons: **R. Balogh** Slovak University of Technology in Bratislava (STU) **SK**, **D. Obdržálek** Charles University in Prague (CU) **CZ**, **J.-D. Dessimoz** Western Switzerland University of Applied Sciences (HES-SO) Yverdon-les-Bains **CH** **International Programme Committee:** **D. Alimisis** EDUMOTIVA-European Lab for Educational Technology **GR**, **R. Balogh** STU Bratislava **SK**, **B. Borovac** University of Novi Sad **RS**, **A. Bredenfeld** Dr. Bredenfeld UG **DE**, **B. Claverie** Ecole Nationale Supérieure de Cognitique Bordeaux-INP **F**, **S. Demetriadis** Aristotle University of Thessaloniki **GR**, **J.-D. Dessimoz** HES-SO Yverdon-les-Bains **CH**, **J. Didier** Vaud University of Teacher Education (HEP-VD) Lausanne **CH**, **N. Eteokleous** Robotics Academy Frederick University **CY**, **N. Fachantidis** University of Western Macedonia **GR**, **H. Ferreira** Instituto Superior de Engenharia do Porto **PT**, **P. Fiorini** University of Verona **IT**, **G. Granosik** Lodz University of Technology **PL**, **A. Hofmann** University of Applied Sciences Technikum Wien **AT**, **B. Kazed** University of Blida **DZ**, **T. Krajník** University of Lincoln **UK**, **D. Leuba** HEP-VD Lausanne **CH**, **M. Mella-do** Instituto ai2 Universitat Politècnica de València **ES**, **E. Menegatti** University of Padova **IT**, **M. Moro** University of Padova **IT**, **D. Obdržálek** CU Prague **CZ**, **A. Perez-Uribe** HES-SO Yverdon-les-Bains **CH**, **P. Petrovič** Comenius University in Bratislava **SK**, **A. Pina** Public University of Navarra **ES**, **P. Putthapipat** Assumption University Bangkok **TH**, **C. Sauzé** University of Wales in Aberystwyth **GB**, **F. Schmöllebeck** University of Applied Sciences Technikum Wien **AT**, **F. Šolc** Brno University of Technology **CZ**, **G. Steinbauer** Graz University of Technology **AT**, **R. Stelzer** INNOC - Austrian Society for Innovative Computer Sciences **AT**, **F. Wyffels** Ghent University **BE** **Proceedings:** **R. Balogh** STU Bratislava **SK** **Local Conference Organization:** **J.-D. Dessimoz** HES-SO Yverdon-les-Bains **CH**, **J. Bally** Robot-CH Yverdon-les-Bains **CH**

important dates (new)

- Paper submission: 1 March 2015
- Authors notification: 31 March 2015
- End of early registration: 15 April 2015
- Final paper version: 15 April 2015
- End of online registration: 15 May 2015



venue

RiE 2015 will take place at
HEIG-VD, School of Business and Engineering of
HES-SO, Western Switzerland University of Applied Sciences and Arts
Yverdon-les-Bains, Switzerland
May 21-22, 2015

The Conference is organized along with numerous other events, during the **Swiss Robotic Days 2015**.

