6th International Conference on Robotics in Education

May 20-23, 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 worldwide. 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, ranging 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 the framework for providing best science in robotics, while addressing schematically two complementary kinds of contributions: one side on technical aspects and on the other side on matters of pedagogy.

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 robots-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/constructivism and robotics
- teacher training in educational robotics
- methodologies for teaching robotics
- robotics competitions/contests and their educational impact
- robotics through Education/Museums/Personal robots and their educational value
- web-based robotics, simulation, remote educational robotics
- humanoid robots in education
- dexterous autonomous robots and humanoids
- cognition, natural and automated-cognition

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Conference Program

Wednesday, 20 May 2015
- Workshop 1: Practical Mechatronics - Training for Mobile Robot Competition
- Workshop 2: Approaches for introducing children to robotics
- Workshop 3: La robotique scolaire - un potentiel au-delà de la robotique

Thursday, 21 May 2015
- Keynote - Webots and ProgBot Competition
- Technical sessions 1: Methods and Best Practices
- Technical sessions 2: Education and Mechatronic Platforms
- Technical sessions 3: Curriculum Aspects
- Social Dinner

Friday, 22 May 2015
- Technical sessions 4: Competition Related Aspects
- Technical sessions 5: Conceptual Aspects and Cognition
- Technical sessions 6: Other, Selected Topics
- Keynote – at La Marine, Claude Nicoller

Saturday, 23 May 2015
- ProgBot competition, with Finals at La Marine

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.

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info@rie2015.org

End of online registration: 15 May 2015