



Invited Session

Educational Robotics and Automation: Analysis of Learning Environments, Processes, and Outcomes

Call for Papers

Rapid growth of robotics instruction in universities, schools and even kindergartens, supported by accessible robot systems and components, represents one of the most important developments in education of the last three decades. Robotics courses based on learning through constructing and operating robots as well as on interaction and communication with robots have become widely accepted. Experience in educational robotics serves as a foundation for the development of learning practices in maker and IoT spaces. Recent literature has called for deeper research of pedagogical strategies, learning processes, and outcomes of educational robotics. This research has to address the challenges of the field such as the unity of learning and productive goals, the multimodal nature of interactions with robots, the interdisciplinarity of knowledge, the dominance of project-based, collaborative, and self-regulated learning. This workshop aims to bring together academic researchers, educational practitioners and technology specialists and promote exchange of ideas and collaboration based on the common interest in learning with robots. The participants will discuss the characteristic features of the subject, learning approaches, and practices of educational robotics and suggest ways for further research.

Prospective authors are invited to submit papers before **31 January 2015**. The guidelines are on the conference website <http://www.cis-ram.org/2015/>. Please send a copy of the submitted paper to the Session organizer and contact him and the Conference Secretariat if you have questions or suggestions.

Organizer

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