



# EDUCON 2016

Abu Dhabi, April 11-13, 2016



## SPECIAL SESSION IN EDUCATIONAL ROBOTICS

Robotics is a growing area in the last decades, changing where it is applied. It was more present in the industrial environment but is now expanding itself to many others locations, such as home, offices and outdoors.

Another relevant change is where robotics is introduced in education. It started as a University and Technical College subject but it's now widely adopted in many High-Schools all over the world, some as an extracurricular activity and others as a support to STE(A)M Education. With the increase in the robotics education interest, many competitions started worldwide, as a tool to motivate the students and teach them while having fun. One of the key examples of that is RoboCupJunior. With the integration of automatic devices in many aspects of the daily life, the robotics related jobs are quickly increasing.

In this special Session we intend to focus on the interaction between teachers, students and public when using Robotics platforms for education.

### DATE AND VENUE

IEEE EDUCON 2016 will be organized by Khalifa University and EBTIC. The event will be held in Abu Dhabi, the capital of United Arab Emirates, April 11-13, 2016.

#### Important Dates

<b>23 November 2015</b>	Paper Submission
<b>18 December 2015</b>	Notification of Acceptance
<b>10 January 2016</b>	Author Registration and Payment Deadline
<b>8 February 2016</b>	Final Paper Due
<b>11 April 2016</b>	Conference Opening

#### Program Committee

<b>Special Session Chair</b>	Eng. Tiago Caldeira, ibtikar.io , UAE
<b>Special Session Committee</b>	Dr. Amy Eguchi, Bloomfield College, USA Eng. Ali Al Marzouqi, EmiratesSkills, UAE
<b>Special Sessions and Panels</b>	Dr. George Wesley Hitt, KU, UAE Dr. Benjamin Hirsch, EBTIC, UAE Dr. Teresa Restivo, University of Porto, PT

### Sponsors & Patrons



## TOPICS OF INTEREST

The topics include (but are not limited to):

### Teaching, Learning and Evaluation

- Robots in Classroom environment,
- Integration of robotics in STEM Curriculum,
- International trends, Didactic approaches and Teaching training in educational robotics,
- Methodologies for teaching and evaluating robotics,
- Didactic approaches in educational robotics,
- GCC Projects in Robotics Education,
- Web-based Robotics, and remote educational Robotics

### Future Jobs in Robotics

- Students preparation for Robotics jobs,
- Alternative teaching methods and evaluation tools,
- Robotics Skills development in GCC Schools

### Robotics Competitions & Public Demonstrations

- Proposals for educational Robotics competitions,
- Competitions as project planning and demonstration,
- Robots with entertainment value,
- Engagement of Students and Families in Schools using Robotics

### SUBMISSION

Please go to the conference's submission server: <https://www.conftool.com/educon> and create an account if you don't have one and submit your contribution.

### PROCEEDINGS/INDEXING

More info here: <http://educon-conference.org/educon2016/proceedings.php>