



## Call for Papers

IEEE EDUCON2011 Special Track

# **“New Pedagogic Challenges in Engineering Education” (NPCEE2011)**

Princess Sumaya University for Technology in Amman, Jordan

04-06 April 2011

<http://www.educon-conference.org/educon2011/>

This Special Track (NPCEE2011) within the IEEE EDUCON2011 Conference aims to foster the discussion on *New Pedagogic Challenges in Engineering Education* by providing a forum for sharing approaches, developments and experiences in line with the mission of the International Society for Engineering Education - IGIP.

The proposed topics are concerned not only with good practices in engineering education (EE) and with the constant demand on the use of technology but also with the effectiveness of fundamental knowledge in order to guaranty simultaneously the spirit of engineering leadership in society and the lifelong learning capability. They also include the perspective of EE oriented for K-12 teachers and students as well as at postgraduate levels and for Engineering Educators.

### **Topics of Interest**

- Engineering Education in Multidisciplinary Environment
- Good Practices in Engineering Education
- Engineering Education: what do students think?
- Engineering Education oriented for K-12 teachers and students
- New Pedagogic Challenges by using Remote and Virtual Labs
- International Qualification for Engineering Educators
- Human-Machine Interaction in the Training Process
- Innovation and Creativity in MSc and PhD Degrees
- Teaching by Researching and Researching by Teaching
- Student Projects vs. Industrial Solutions and Collaborations
- Mechatronics Systems for Student Training
- Robotics in Engineering Education
- Haptic Devices: Tools for Knowledge Development
- Integration of Labs on the Web with Haptic Devices

## Publication

Accepted papers will be published in the EDUCON2011 Proceedings with ISBN number and will be also available through IEEE Xplore.

## Special Track Program Committee

**Maria Teresa Restivo**, Universidade do Porto, Portugal, (CHAIR)  
Martin Bilek, University of Hradec Králové, Czech Republic  
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Stefan Stankowski, Berner Fachhochschule HTI Biel-Bienne, Switzerland  
Hans-Bernhard Woyand, Bergische Universität Wuppertal, Germany  
Sorin Zaharia, University "Politehnica" Bucharest, Romania

## Important Dates

15 December 2010, Submission of full papers for this track  
via <https://www.conftool.com/educon>  
10 January 2011, Notification of acceptance  
21 January 2011, Author registration deadline  
05 February 2011, Camera-ready papers  
04-06 April 2011, Conference

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