

## Special Track "IT and Engineering Pedagogy"

(ITEP'18)

<http://www.educon-conference.org/educon2018/index.php>



It's a good tradition that, the International Society for Engineering Pedagogy (IGIP), organizes Special Tracks @ EDUCON Conferences – the ITEP series, *ITEP'xx*.

*ITEP'18 @ EDUCON 2018* traditionally aims to offer an open discussion and a reflection in the use of Information Technologies in Engineering Education (EE) and their appropriate Pedagogy. It also intends to foster the involvement in continuing education, bridging the gap between higher education and learning on the workplace by also focusing on the IT use in lifelong learning and training. At K-12 level this session intends to evaluate the progress of IT in fostering the engagement of younger people in the field of science, technology, engineering and math (STEM).

It is also important to understand and to discuss the role of EE in order to promote the technological, product and industrial innovation, developments for people with special needs, for health and for ageing, not ignoring the Key components of any M2M system within IoT.

At any level it is important to evaluate the IT power in facilitating the collaborative work everywhere.

### The topics include (but are not limited to):

IT in Engineering Education (EE)

Online Experimentation

Multisensory Learning Environments

Remote, Virtual and Augmented reality tools

3D Virtual Environments

Haptic Devices and Serious Games

Online Experimentation Tools to Engage Students

Tools for Higher Order Thinking Skills

Multimedia for Education

Mobile Devices in Education

IT in K-12 Education

IT in lifelong learning and training

Intelligent Tutoring Systems

IT in EE and:

M2M systems

Technological, Product and Industrial Innovation

Perception and development of IT use for People with Special Needs

Perception and development of IT use in Ageing

### Program Committee

#### Chair of ITEP'18:

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#### ITEP'18 Program Committee (to be completed)

**Alberto Cardoso**, University of Coimbra, PT

**Andreas Pester**, Carinthia University of Applied Sciences, AT

**Andreja Rojko**, ECPE European Center for Power Electronics e.V., DE

**Armando P. Preciado-Babb**, University of Calgary, CA

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**Roderval Marcelino**, Federal University of Santa Catarina, BR  
**Susan Zvacek**, USA  
**Teresa Larkin**, American University, USA  
**Tiia Rüttnann**, Tallinn University of Technology, EE

#### Deadlines

20 Nov, 2017	Short Paper Submission
Dec. 22, 2017	Notification of Acceptance
Feb. 02, 2018	Author registration and Payment and Final/Camera-ready Due
Apr. 17, 2018	Pre-Conference Workshops
Apr.18, 2018	EDUCON 2018

#### Publications

Only accepted and presented papers will appear in the *EDUCON2017* proceedings if they have been uploaded before the deadlines and will be *published by IEEE Xplore*.  
Selected papers could be rewritten and submitted to special issues of OnlineJournals.ORG, (<http://www.online-journals.org>).