

**Call for Papers**  
**"Talking about Teaching 2016" (TaT'16)**  
**SPEE Special Session @ 45<sup>th</sup> IGIP International Conference on Engineering Pedagogy**  
**21-23 September 2016, Belfast, UK**  
<http://www.icl-conference.org/icl2016/>

The 5<sup>th</sup> edition of the Special Session *Talking about Teaching 2016 (TaT'16)* following the Annual Conference, now IGIP2016, aims to promote the discussion on Engineering Education by providing an opportunity for debating and sharing ideas, approaches, developments and experiences. The Organizers, being responsible and/or members of the Portuguese Society for Engineering Education (SPEE) working groups (IT in Engineering Education and Tools to Develop Higher Order Thinking Skills) and actively involved in the International Society for Engineering Pedagogy (IGIP), promote this Special Track in line with the mission of both Societies.

The proposed topics are concerned not only with resources in engineering education (EE) and with the constant demand on the use of technology, but also with the effectiveness of knowledge in order to guaranty simultaneously the diversity and inclusion in EE, teachers professional development, the perspective of EE oriented for STEM and the spirit of engineering leadership in society.

***Topics of Interest***

**Virtual Universities**

Distance education (e-learning and b-learning)  
Sharing resources and increasing multicultural components in EE  
Outreaching the pre-university population  
Flipped classrooms  
Learning and the MOOCs

**Research in EE**

Development of higher order thinking skills  
Using research to motivate engineering students  
Students mentoring and tutoring  
Assessment of learning outcomes  
Teachers' professional development  
International recognition of engineering educators

**Emergent Technologies in EE**

Online engineering  
Mobile/wireless technologies in education  
Learning management systems  
3D applications and virtual reality  
Multimedia for learning  
Adding haptics information  
Virtual and augmented reality  
Technology enhanced learning  
Motivating youngsters for science and technology

**University & Industry**

Lifelong learning

University & industry programs and experiences  
Learning outcomes & employability

***TaT'16 Program Committee (to be completed)***

**Maria Teresa Restivo**, University of Porto, PT, (Co-Chair, SPEE&IGIP member)  
**Alberto Cardoso**, University of Coimbra, PT (Co-Chair, SPEE&IGIP member)  
**Fátima Chouzal**, University of Porto, PT (Co-Chair, SPEE member)  
**Susan Zvacek**, Denver University, USA (Co-Chair, SPEE&IGIP member)  
**Alexander Zimin**, N.E. Bauman Moscow State Technical University, RU  
**Amélia Loja**, Polytechnic Institute of Lisbon, PT  
**Ana Pavani**, Pontifical Catholic University of Rio de Janeiro, BR  
**Anna Friesel**, Technical University of Denmark, DK  
**Armando P. Preciado-Babb**, University of Calgary, CA  
**Axel Zafoschnig**, International Society for Engineering Pedagogy (IGIP), AU  
**Bárbara Rangel**, University of Porto, PT  
**Celina Leão**, University of Minho, PT  
**Diana Urbano**, University of Porto, PT  
**Fernão Magalhães**, University of Porto, PT  
**Fernando Remião**, University of Porto, PT  
**Gustavo Alves**, Polytechnic Institute of Porto, PT  
**Hélia Guerra**, University of Azores, PT  
**James Wolfer**, Indian University South Bend, USA  
**José Salvado**, Escola Superior de Tecnologia de Castelo Branco, PT  
**José Figueiredo**, University of Lisbon, PT  
**Katarina Zakova**, Slovak University of Technology, SK  
**Luciano Andreatta**, Universidade Estadual do Rio Grande do Sul, BR  
**Luís Mendes Gomes**, University of Azores, PT  
**Paulo Menezes**, U. Coimbra, PT  
**Radojka Krneta**, University of Kragujevac, RS  
**Teresa Larkin**, American University, USA  
**Tiiia Ruutmann**, Tallinn University of Technology, EE

Articles submitted to *TaT'16* will follow the Conference Submission System:

(<https://www.conftool.com/icl-conference/>).

Presented papers will be published in the ICL2016 in the Springer series "Advances in Intelligent Systems and Computing". The books of these series are submitted to ISI Proceedings, EI-Compindex, DBLP, SCOPUS, Google Scholar and Springerlink.

(<http://www.icl-conference.org/icl2016/proceedings.php>)

**Important Dates:**

**June 06, 2016** – Submission deadline for short papers and works in progress

**June 18, 2016** – Deadline for special session reviews

**June 20, 2016** – Notification of acceptance to authors

**July 11, 2016** - Camera ready due & Author registration

**September 21, 2016** – Conference Opening

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