The Portuguese Society for Engineering Education (SPEE) (http://spee.org.pt) organizes its 1st International Conference (CISPEE) under the theme: “Engineering Education: Challenges for Innovation”. The event aims to provide an opportunity for presenting and discussing the topics listed below, which, in general terms, affect all Engineering schools. The conference program will also include a number of keynotes - in addition to thematic sessions - addressing important aspects in Engineering Education: Industry-Academia relation in Engineering Education and its impact on jobs and wealth creation; Science and Engineering dissemination among Society; and, Quality in Engineering Education.

**Topics of interest (not limited to)**

**Engineering Ethics** • Embedding Ethics in Engineering Education • Teaching Codes of Ethics • Plagiarism • Credits, Rights, and Responsibilities of Dissertation Advisor • Reverse Engineering • Role of Engineers in Society • Ethics and Risk Assessment • ICT in Engineering Education • Computers in Engineering Education • Mobile Devices in Education • Human-Computer Interaction • Web Interface Design • Collaborative Environments and Tools • Assessment Tools • E-learning in Engineering Education • Multimedia Contents for e/blm-learning • Augmented and Virtual Reality • Serious Games • Continuing Engineering Education (CEE) • Joint academic-industry initiatives in CEE • Curricula Development in Engineering Degrees • Role of Professional and Technical Societies in CEE • Role of Government in CEE • CEE programs and initiatives • Lifelong Learning in Engineering • Impact of Educational and Scientific Research in Engineering Programs • Informal and non-formal Learning in Engineering • Non-traditional students in Engineering • Economical aspects of CEE • Training in the workplace as part of CEE • The contributing role of CEE for job creation in a global economic crisis • Tools to Develop Higher Order Thinking Skills • Concept Mapping for Learning and Assessment • Self-regulated Learning Strategies • Problem solving and Creativity • Designing Courses for Higher Order Thinking • Using Online Tools to Facilitate Learning • Communication Skills for Technical Thinkers • Information Literacy and Our Tech-savvy Students • Developing Skeptical Thinkers • Mathematics in Engineering Education • Logic Knowledge and Mathematical Competences in Engineering • Computational Tools for Teaching Mathematics in Engineering • Use of Mathematical Models and Simulators in Engineering Education • Case Studies

**Proceedings**

CISPEE will publish the proceedings in electronic format. A book of abstracts will also be available in printed format. A number of selected, high-quality, papers will be invited for publication in the International Journal of Engineering Pedagogy (IJEP). The possibility to publish selected papers, in Portuguese, in IEEE-RITA, in the TICAI 2013 edition, in the magazine of the Portuguese Engineers Society (OE), and in the magazine of Engineering Education, published by the Brazilian Association of Engineering Education (ABENE), has also been arranged in advance. IEEEXPlore® will index accepted papers meeting IEEE requirements of content and format.

**Language**

English. There is also the opportunity to submit papers in Portuguese.

**Venue and travel information**

The Polytechnic of Porto – School of Engineering will host the event at its premises, located in the city of Porto, in northern Portugal. Porto is a modern city with an ancient history, having been CORIM and World Heritage Status to its historical center in 1996. Served by an excellent airport with direct flights from/to the city of Porto, in northern Portugal. P

**Important dates**

- **June, 2nd**
- **July, 21st**
- **September, 16th**
- **September, 29th**
- **Conference**
- **Submission deadline**
- **Notification of acceptance**
- **Early author registration**
- **Camera-ready due**
- **October 31st - November 1st**

**General Chairs**

- **Ferrari A.**, University of Aveiro, PT
- **Rocha T.**, Polytechnic of Porto, PT

**Program Chairs**

- **Alves J.**, Polytechnic of Porto, PT
- **Restituto T.**, University of Porto, PT

**Program Committee**

- **Almeida M.**, University of Coimbra, PT
- **Almeida N.**, State University of Rio de Janeiro, BR
- **Aires A.**, University of Minho, PT
- **Amaral L.**, University of Minho, PT
- **André J.**, University of Coimbra, PT
- **Auer M.**, Carinthia University of Applied Sciences, AT
- **Babu A.**, University of Porto, PT
- **Baptista J.**, University of Madeira, PT
- **Barata J.**, University of Beira Interior, PT
- **Barros J.**, Polytechnic of Beja, PT
- **Barros M. J.**, University of Azores, PT
- **Basio J.**, University of Porto, PT
- **Bernardino J.**, Polytechnic of Coimbra, PT
- **Bocchiocchio M.**, University of Salento, IT
- **Budry D.**, Swenson School of Engineering, US
- **Callaghan M.**, University of Ulster, UK
- **Campos J.**, University of Porto, PT
- **Carderea C.**, Technical University of Lisbon, PT
- **Cardoso A.**, University of Coimbra, PT
- **Carvalho C.**, Polytechnic of Porto, PT
- **Cavaleiro V.**, University of Beira Interior, PT
- **Cascinale A.**, Institute for Educational Technology, IT
- **Campli M.**, Science and Education Research Council, BR
- **Conceição E.**, University of Algarve, PT
- **da Costa C.**, University of Lisbon, PT
- **da Silva J.**, Federal University of Santa Catarina, BR
- **de Barros M.**, Technical University of Lisbon, PT
- **Dias-Perelio F.**, University of Salamanca, ES
- **Dobrovská D.**, Czech Technical University in Prague, CZ
- **Domingues C.**, University of Minho, PT
- **Dzibienko O.**, University of Deusto, ES
- **Farrell S.**, Rowan University, US
- **Fernandes P.**, Polytechnic of Lisbon, PT
- **Ferreira E.**, University of Minho, PT
- **Figueiredo A.**, University of Coimbra, PT
- **Figueiredo J.**, Technical University of Lisbon, PT
- **GarciáZúñiga J.**, University of Deusto, ES
- **Larkin T.**, American University, US
- **Leão C.**, University of Algarve, PT
- **Lindsay E.**, Central Queensland University, AU
- **Lino J.**, University of Porto, PT
- **Llamas-Nadal M.**, UL, University of Algarve, ES
- **Longo A.**, University of Salento, IT
- **Lopes J.**, University of Trás-os-Montes and Alto Douro, PT
- **Magalhães F.**, University of Porto, PT
- **Marques J.**, University of Porto, PT
- **Martins A.**, University of Coimbra, PT
- **Martins M.**, Technical University of Lisbon, PT
- **Meier R.**, Milwaukee School of Engineering, US
- **Oliveira L.**, University of Lisbon, PT
- **Pavanelli A.**, Pontifical Catholic University of Rio de Janeiro, BR
- **Pester A.**, Carinthia University of Applied Sciences, AT
- **Pinto P.**, Technical University of Lisbon, PT
- **Portugal I.**, University of Aveiro, PT
- **Ramalo E.**, Polytechnic of Porto, PT
- **Rasteiro M.**, University of Coimbra, PT
- **Rubinstein T.**, Tallinn University of Technology, EE
- **Savin-Baden M.**, University of Coventry, UK
- **Scapolla A.**, University of Genoa, IT
- **Silva A.**, Polytechnic of Porto, PT
- **Silva J.**, University of Évora, PT
- **Soares F.**, University of Minho, PT
- **Soares A.**, University of Porto, PT
- **Souza L.**, University of Porto, PT
- **Teodoro V.**, New University of Lisbon, PT
- **Terkowsky C.**, Technical University of Dortmund, DE
- **Uhmohoshi J.**, University of Ulster, UK
- **Viamonte A.**, Polytechnic of Porto, PT
- **Vieira J.**, University of Minho, PT
- **Villate J.**, University of Porto, PT
- **Williams B.**, Polytechnic of Setúbal, PT
- **Wolfet J.**, Indiana University South Bend, US
- **Zakova K.**, Slovak Technical University of Bratislava, SK
- **Zuzko D.**, Carinthia University of Applied Sciences, AT

**Local Organizing Committee**

- **Crispim A.**, Polytechnic of Porto, PT
- **Esteves T.**, Polytechnic of Porto, PT
- **Felgueiras M.**, Polytechnic of Porto, PT
- **Fidalgo A.**, Polytechnic of Porto, PT
- **Guedes A.**, Polytechnic of Porto, PT
- **Pereira I.**, Polytechnic of Porto, PT
- **Ribeiro M.**, Polytechnic of Porto, PT