

REV 2014 is the eleventh in a series of annual events concerning the area of remote engineering and virtual instrumentation. The REV conference is the annual conference of the International Association of Online Engineering (IAOE) ([www.online-engineering.org](http://www.online-engineering.org)). REV 2014 will take place in Porto, Portugal and will be organized by the Polytechnic of Porto - School of Engineering ([www.isep.ipp.pt](http://www.isep.ipp.pt)). The general objective of this conference is to demonstrate and discuss fundamentals, applications and experiences in the field of remote engineering and virtual instrumentation. With the globalization of education the interest in teleworking, remote services and collaborative working environments is increasing rapidly. Another objective of the symposium is to discuss guidelines for education in university level courses for these topics. REV 2014 offers an exciting technical program as well as academic networking opportunities during the social events.

### Topics of Interest

Virtual and remote laboratories • Remote process visualization and virtual instrumentation • Remote control and measurement technologies • Online engineering • Networking and grid technologies • Mixed-reality environments for education and training • Education and operation interfaces • usability, reusability, accessibility • Demands in education and training, e-learning, blended learning, m-learning, and ODL • Open educational resources (OER) • Teleservice and telediagnosis • Telerobotics and telepresence • Support of collaborative work in virtual engineering environments • Teleworking environments • Telecommunities and their social impacts • Present and future trends, including social and educational aspects • Human computer interfaces, usability, reusability, accessibility • Innovative organizational and educational concepts for remote engineering • Standards and standardization proposals • Products • Military wireless applications • Information security • Telemedicine • Renewable energy • Applications and experiences.

### Travel Information

Porto is the second largest city in Portugal and has been elected as the best European Destination 2012 by the users of the European Consumers choice website. Attending REV2014 will give you an opportunity to discover Porto and what makes it different: the famous Port Wine, a Historical Center designated World Cultural Heritage by UNESCO, and Museums, among other attractions, whilst participating in an exciting conference program.

### Proceedings

The proceedings will be indexed in IEEE Xplore and interesting papers will be invited for publication in the International Journal of Online Engineering (iJOE), [www.online-journals.org/i-joe](http://www.online-journals.org/i-joe).



### Program Overview

#### Opening Debate

Covering the topics of online labs and learning outcomes

#### Invited Speakers:

- Lyle Feisel (ASEE Past-President)
  - Euan Lindsay (AAEE Past-President)
  - Representative from industry (Platinum Sponsor)
- Moderator:
- Maggi Savin-Baden (Coventry University)

#### Plenary Sessions

#### Invited Keynote by:

- Teresa Restivo (University of Porto)
- Session with selected papers for Best Paper Award
- New Funding opportunities presented by Horizon 2020 and LLP representatives

#### Important Dates

- |                   |                                  |
|-------------------|----------------------------------|
| October 31, 2013  | – <b>NEW</b> Submission deadline |
| November 19, 2013 | – Notification of acceptance     |
| December 18, 2013 | – Author registration deadline   |
| January 19, 2014  | – Camera-ready due               |

#### Organized by:



#### Thematic Parallel Sessions

Full-papers (peer reviewed)  
Special track sessions  
Training workshops

#### Industry Day

Industry keynotes conducted by Gold and Platinum sponsors  
Various technical workshops held by Silver, Gold and Platinum sponsors  
Poster and Demo Sessions

#### IAOE & REV 10th Anniversary celebration

Includes Closing ceremony, Best paper, poster and demo awards

#### Special Meetings

GOLC, IAOE and VISIR-SIG meetings

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