

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). REV 2014 will take place in Porto, Portugal and will be organized by the Polytechnic of Porto - School of Engineering (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.



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 – **NEW** 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

REV Steering Committee

Michael E. Auer, Carinthia Tech Institute, Austria (Chair)
Doru Ursutiu, University of Brasov, Romania
Abul Azad, Northern Illinois University, USA
Mario Bochicchio, University of Salento, Italy
Alexander Kist, University of Southern Queensland, Australia
Thomas Zimmer, IMS Bordeaux, France
Doreen Orishaba, Makerere University, Uganda
Dieter Wuttke, TU Ilmenau, Germany
Katarina Zakova, Technical University of Bratislava, Slovakia

Honorary Chairs

Rosário Gambôa, Polytechnic of Porto, Portugal
João Rocha, Polytechnic of Porto, Portugal

General Chair

Gustavo R. Alves, Polytechnic of Porto, Portugal

Program Chairs

Arcelina Marques, Polytechnic of Porto, Portugal
Ingvar Gustavsson, Blekinge Institute of Technology, Sweden

Local Arrangements Chairs

Clara Viegas, Polytechnic of Porto, Portugal
Cristina Costa-Lobo, Portucalense University, Portugal

Systems Administration and Support

Danilo G. Zutin, Carinthia Tech Institute, Villach, Austria

Website and Publicity Chair

André Fidalgo, Polytechnic of Porto, Portugal

Publication Chair

Carlos Felgueiras, Polytechnic of Porto, Portugal

Industrial Liaison Chair

Joaquim Alves, Polytechnic of Porto, Portugal

Finance Chair

Ricardo Costa, Polytechnic of Porto, Portugal

International Program Committee

A. Y. Al-Zoubi, Princess Sumaya University for Technology, Jordan
Phil Bailey, Massachusetts Institute of Technology, USA
David Boehringer, University of Stuttgart, Germany
Christos Bouras, University of Patras, Greece
Michael Callaghan, University of Ulster, Northern Ireland
Manuel Castro, National Distance Education University, Spain
José M. Ferreira, University of Porto, Portugal
Arthur Edwards, University of Colima, Mexico
Torsten Fransson, KTH Royal Institute of Technology, Sweden
Javier Garcia-Zubia, University of Deusto, Spain
Denis Gillet, École Polytechnique Fédérale de Lausanne, Switzerland
Olaf Graven, Buskerud University College, Norway
Ian Grout, University of Limerick, Ireland
Chi Chung Ko, National University of Singapore, Singapore
Reinhard Langmann, Technical University of Dusseldorf, Germany
David Lowe, University of Sydney, Australia
Zorica Nedic, University of South Australia, Australia
Andreas Pester, Carinthia Tech Institute, Austria
Riko Safaric, University of Maribor, Slovenia
Cornel Samoilă, University Transylvania in Brasov, Romania
Franz Schauer, Tomas Bata University, Czech Republic
Juarez Silva, Federal University of Santa Catarina, Brazil
Tarek Sobh, University of Bridgeport, USA

National Advisory Committee

Teresa Restivo, University of Porto, Portugal (Chair)
João Calado, Polytechnic of Lisbon, Portugal
Alberto Cardoso, University of Coimbra, Portugal
Fernando Coito, New University of Lisbon, Portugal
Horácio Fernandes, Technical University of Lisbon, Portugal
Eugénio Ferreira, University of Minho, Portugal
Manuel Gericota, Polytechnic of Porto, Portugal
José Carlos Marques, University of Madeira, Portugal

Sponsored by:

