Call for Papers
REV 2014

International Conference
Polytechnic of Porto - School of Engineering, Porto, Portugal
Remote Engineering & Virtual Instrumentation

REV

International Association of Online Engineering **IAOE.**

February 26 – 28, 2014, Porto, Portugal, www.rev-conference.org/REV2014

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/.

IEEE Xplore DIGITAL LIBRARY
SciVerse Scopus

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

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 Exhibition Sessions

IAOE & REV 10th Anniversary celebration
Includes Closing ceremony, Best paper, poster and demo awards

Special Meetings
GOLC, IAOE and VISIR-SIG meetings

Important Dates
October 13, 2013	– Submission deadline
November 17, 2013	– Notification of acceptance
December 15, 2013	– Author registration deadline
January 19, 2014	– Camera-ready due

REV Steering Committee
Michael E. Auer, Carinthia Tech Institute, Austria (Chair)
Doru Ursutiu, University of Brasov, Romania
Abul Azad, Nothern 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 Samoila, 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

Organized by:

POLITÉCNICO DO PORTO   isep Instituto Superior de Engenharia do Porto   CIETI

Sponsored by:

IEEE   GOLC spee