First Announcement and Call for Papers

13th International Conference on Remote Engineering and Virtual Instrumentation (REV2016)

24-26 February 2016, Madrid, UNED, SPAIN

http://www.rev-conference.org/

Focus

The REV conference is the annual joint conference of the International Association of Online Engineering (IAOE), www.online-engineering.org and the Global Online Laboratory Consortium (GOLC), www.online-lab.org. REV 2016 will take place in Madrid, Spain and will be organized in cooperation with Universidad Nacional de Educación a Distancia (UNED) and Universidad Politécnica de Madrid (UPM).

REV 2016 is the thirteenth in a series of annual events concerning the area of remote engineering and virtual instrumentation. The general objective of this conference is to contribute and discuss fundamentals, applications and experiences in the field of remote engineering and virtual instrumentation. With the increasing of the interest of new scientific and engineering applications of remote services, education applications and collaborative environment as well as the projects being developed in this area, and the Institution and Organizations (public and privates) interest in new developments like Internet of Things, Industry 4.0, cyber security, M2M and smart objects. Another objective of the symposium is to discuss guidelines for education in University level for those topics including new technology applications, MOOCs, Open resources and STEM Pre-University attraction. REV 2016 offers an exciting technical program as well as academic networking opportunities during the social events in Madrid.

Topics of Interest

- Virtual and remote laboratories
- Remote process visualization and virtual instrumentation
- Remote control and measurement technologies
- Online engineering
- Cloud computing in remote engineering
- Networking and grid technologies
- Support of collaborative work in virtual engineering
- Standards and standardization proposals
- Demands in education and training
- Immersive applications
- Information security and distributed systems
- Remote sensing, networks and Internet of Things
- Supporting social and practical learning with OER
- Connecting OER to competency based on education
- OER-based novel educational research techniques
- Formal and non-formal education and Open Education
- Human computer interfaces, usability, reusability, accessibility
- Telecommunities and their social impacts
- Teleworking environments
- Telemedicine and remote health monitoring
- Renewable energy

(List not completed)

REV Partner Organizations

- International Association of Online Engineering (IAOE)
- Global Online Laboratory Consortium (GOLC)
- Universidad Nacional de Educación a Distancia (UNED)
- Universidad Politécnica de Madrid (UPM)
- IEEE Education Society

Types of Contributions

- Full Paper, Short Paper
- PhD Student's Forum
- Work in Progress Paper, Demo
- Special Sessions, Workshops, Tutorials

All paper submissions are subject to a double blind reviewing process.

Keynote Speakers

- **Javier García-Zubía, University of Deusto, Spain**
  Remote labs: 360 degrees view
- **Johann M. Marquez-Barja, Trinity College, Ireland**
  Remote experimentation from research to education: A European roadmap
- **Russ Meier, MSoE, USA**
  Flipping the classroom, the laboratory and social media to scaffold engineering design instruction for first year engineering students

Important Dates

01 September 2015	Call for Papers
01 October 2015	Submission of structured abstracts for full and short papers, PhD Student's Forum and special session proposals
20 October 2015	Invitation to submit a full paper or short paper
15 November 2015	Submission deadline for complete papers and all other submissions (Work in Progress Papers, Demos, Tutorials, Workshops)
15 December 2015	Notification of acceptance
15 January 2016	Author registration and camera-ready due
24 February 2016	Conference Opening

Submission Server:

https://www.conftool.com/rev-conference/

Proceedings IEEE *Xplore*®

The conference proceedings will be submitted to IEEE Xplore®. If accepted and published (which is usually true for this conference), other indexing services evaluate conferences and independently determine what they will index. Non show presentations will not be published.

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