



REV 2010

International Conference on

Remote Engineering & Virtual Instrumentation

www.rev-conference.org/REV2010

June 29 – July 2, 2010 where the first day is devoted to a social outdoor event



KTH – Royal Institute of Technology, Stockholm, Sweden



REV 2010 is the seventh in a series of annual events concerning the area of remote engineering and virtual instrumentation. The REV conferences are the annual conferences of the International Association of Online Engineering (IAOE) (<http://www.online-engineering.org>). REV2010 will be held at Kungliga Tekniska Högskolan (Royal Institute of Technology, KTH) in Stockholm. 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 and need of teleworking, remote services and collaborative working environments now increase rapidly. Another objective of the symposium is to discuss guidelines for education in university level courses for these topics. REV 2010 offers an exciting technical program as well as academic networking opportunities during the social events.

Topics of Interest

Topics of the conference include: 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 ▪ Applications and experiences ▪ Standards and standardization proposals ▪ Products.

Key note speakers

At this moment the following key note speakers have confirmed their attendance at the conference:

- Prof. Anders Flodström, Chancellor of Swedish Universities
- Prof. Anette Kolmos, President SEFI
- Prof. Ambjörn Naeve, KTH Knowledge Management Research Group and Uppsala Univ. Learning Lab
- Prof. Ingvar Gustavsson, BTH – Blekinge Institute of Technology
- Prof. Johan Thorbiörnson, KTH Virtual Campus and Resource Centre for Netbased Education
- Prof. Torsten Fransson, KTH - Energy Technology

Conference program: www.rev-conference.org/REV2010/program.htm

Paper sessions

There will be about 50 papers presented during parallel sessions.

Examples of demonstrations, workshops, and tutorials

VISIR - Virtual Instrument Systems In Reality (Blekinge Institute of Technology, National Instruments)

Communication Lecture Room (KTH)

Remote Laboratories as Learning Objects (Germany)

Remote Experiments in Natural Sciences Education by Integrated e-Learning (Czech Republic and Slovakia)

Description of the remote UTC-WebLaboratory for engineering education and interactive demonstration by online experiments (Germany, USA)

Power meters and sensors, handheld instruments, IO/VEE, audio, video (Agilent Technologies)

Examples of thematic sessions

Collaboration in remote laboratories in engineering and technology education (Australia, Portugal, Sweden)

VISIR and its Extensions and Remote Labs as Regular Part of a University and a Upper Secondary School Curriculum (Sweden, Spain, Austria)

Conference agenda

Tuesday June 29: Boat excursion (not included in the conference fee).

Wednesday June 30: Conference begins. Reception at the Stockholm City Hall, host: Stockholm City Council.

Thursday July 1: Conference. Conference Gala Dinner.

Friday July 2: Conference finishes.

Conference Venue

The conference will take place at the KTH main campus situated in metropolitan Stockholm, with the central part of Stockholm 15 minutes walking away (with subway 5 minutes) but also on the border of a large park area.

Conference fees: Regular: € 340, Student: € 210, Social Excursion June 29: ~€ 65

Conference language English

Proceedings

The proceedings will be published on CD by the International Association of Online Engineering (IAOE).

Interesting papers may be published in the International Journal of Online Engineering (iJOE), www.online-journals.org/i-joe/.

Travel Information

For local travel information, accommodation and social program opportunities, please visit the conference web site at www.rev-conference.org/REV2010.

Further information about KTH is available at www.kth.se.

Information about Stockholm and Sweden can be found at beta.stockholmtown.com/en, www.sweden.se and at www.si.se/English/.

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