Call for Participation

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

REV2010 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) ([www.online-engineering.org](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 increases rapidly. Another objective of the symposium is to discuss guidelines for education in university level courses for these topics. REV2010 offers an exciting technical program as well as academic networking opportunities during the social events.

**Topics of Interest**

Topics of the conference will include (but are not limited to): 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. Sabina Jeschke**, RWTH Aachen University
- **Prof. Ingvar Gustavsson**, BTH – Blekinge Institute of Technology
- **Prof. Johan Thorbiörnson**, KTH Virtual Campus and Resource Centre for Netbased Education
Examples of demonstrations, workshops, and tutorials
VISIR - Virtual Instrument Systems In Reality (Blekinge Institute of Technology, National Instruments)
Communication Lecture Room (KTH)
Power meters and sensors, handheld instruments, IO/VEE, audio, video (Agilent Technologies)

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 boarder of a large park area.

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/.

REV Steering Committee
Michael E. Auer, President and CEO of the IAOE, Carinthia Tech Institute Villach, Austria (Chair) • A.Y. Al-Zoubi, Princess Sumaya University of Technology Amman, Jordan • Arthur Edwards, University of Colima, Mexico • J. M. Martins Ferreira, University of Porto, Portugal • Christophe Gravier, TELECOM Saint-Étienne, France • Judson Harward, Massachusetts Institute of Technology, USA • Karsten Henke, TU Ilmenau, Germany • David Lowe, University of Sydney, Australia • Andreja Rojko, University of Maribor, Slovenia • Doru Ursutiu, University of Brasov, Romania

General Chair REV2010
Torsten Fransson, KTH Stockholm

Program and Local Arrangements Chair
Göran Karlsson, KTH Stockholm

African Liaison
Wilfried L.O. Fritz, Cape Peninsula University of Technology, RSA

Latin-American Liaison
Arthur Edwards, University of Colima, Mexico

Asian Liaison
Wang Yu, Tongji University (CDHAW), China

North-American Liaison
T. M. Sobh, University of Bridgeport CT, USA

Oceanian Liaison
Jan Machotka, University of South Australia, Australia.

International Program Committee
Abdullah Al-Zoubi, Princess Sumaya University for Technology, Amman, Jordan • Michael E. Auer, Carinthia Tech Institute, Villach, Austria • Jasper Bedaux, University of Amsterdam, The Netherlands • Christos Bouras, University of Patras, Greece • Michael Callaghan, University of Ulster, Northern Ireland • Martyn Cooper, The Open University, UK • J.M. Martins Ferreira, University of Porto, Portugal • Denis Gillet, École Polytechnique Fédérale de Lausanne, Switzerland • Luis Gomes, Institute for Development of New Technologies, Portugal • Olaf Graven, Buskerud University College, Norway • Christophe Gravier, Université Jean Monnet Saint-Etienne, France • Ian Grout, University of Limerick, Ireland • Nick Hine, University of Dundee, UK • Andreas Pester, Carinthia Tech Institute, Villach, Austria • Franz Schauer, Tomas Bata University, Czech Republic • Riko Safaric, University of Maribor, Slovenia • Cornel Samoila, University Transylvania Brasov, Romania • Doru Ursutiu, University Transylvania Brasov, Romania • Javier Garcia Zubia, University of Deusto, Spain

National Organizing Committee (also members of the International Program Committee)
Göran Karlsson, KTH, Stockholm, Sweden (Program Chair) • Anders Ambrén, KTH, Stockholm, Sweden • Ingvar Gustavsson, Blekinge Institute of Technology, Ronneby, Sweden • Pär-Ove Forss, Mid Sweden University, Sundsvall, Sweden • Torsten Fransson, KTH, Stockholm, Sweden (General Chair) • Leif Handberg, KTH, Stockholm, Sweden • Lars Håkansson, Blekinge Institute of Technology • Janerik Lundquist, Linköping University, Sweden • Mihai Nicolescu, KTH, Stockholm, Sweden • Marianne Salomon, KTH, Stockholm, Sweden • Veine Samuelsson, KTH South, Stockholm, Sweden