

CALL FOR PAPERS

3rd International Symposium on Remote Engineering and Virtual Instrumentation

29 to 30 June 2005 in Maribor, Slovenia.

www.online-lab.net/rev

Scope of the symposium

Remote Engineering and Virtual Instrumentation are very future trends in engineering and science. Due to:

- » the growing complexity of engineering tasks,
- » more and more specialized and expensive equipment as well as software tools and simulators,
- » the necessary use of expensive equipment and software tools/simulators in short time projects,
- » the application of high tech equipment also in SME's,
- » the need of high qualified staff to control recent equipment,
- » the demands of globalization and division of labour,

it is increasingly necessary to allow and organize a shared use of equipment, but also specialized software as for example simulators.

The general objective of the symposium is to discuss fundamentals, applications and experiences in the field of remote engineering and virtual instrumentation.

The use of virtual and remote laboratories is one of the future directions for advanced teleworking/e-working environments.

Another objective of the symposium is to discuss guidelines for education in university level courses for this topic.

This workshop will be organized by:

- » *University Maribor, Slovenia*
- » *Carinthia Tech Institute Villach, Austria*
- » *University Transylvania Brasov, Romania*

Contributions to the symposium are solicited in the following areas:

- » Architectural issues,
- » Intelligent remote control,

- » Telerobotics,
- » Standards, standardization proposals,
- » Human computer interfaces, usability, reusability,
- » Virtual and remote laboratories,
- » Networking and grid technologies,
- » Demands in education and training, e-learning and ODL,
- » Mixed-reality environments for education and training,
- » Inclusion in existing and future teleworking environments,
- » Support of collaborative work in virtual engineering environments,
- » Economic aspects,
- » Solutions for SME's
- » Social Impacts of teleworking,
- » Present and future trends, including social and educational aspects,
- » Innovative organizational and educational concepts for remote engineering,
- » Applications and experiences, products.

Types of sessions

- » **Full Paper sessions:** 20 minutes presentation followed by a panel discussion. This papers will be reviewed by the program committee.
- » **Short paper sessions:** 15 minutes presentation
- » **Interactive demonstrations:** 15 minutes demonstration (online demonstrations or lectures from a remote location are also welcome).
- » **Poster sessions**

Other opportunities to participate:

- » **Run a workshop or tutorial.** Proposals should clearly indicate the topic, background knowledge expected of the participants, objectives, and the qualifications of the instructor.
- » **Organize a thematic session.** Proposals should include a minimum of three papers, a session title, a list of the topics covered, and qualifications of the session organizer. The name of the session organizer will appear in the program and the proceedings.
- » **Exhibit** at the REV products and developments of remote engineering technology.

Conference language

English.

Proceedings

The proceedings will be published on CD in cooperation with the Kassel University Press (own ISBN number).

Steering committee

- ✦ Michael E. Auer, Carinthia Tech Institute
- ✦ Karel Jezernik, University of Maribor
- ✦ Doru Ursutiu, University Transylvania Brasov

Symposium chair

R. Safaric (University of Maribor)

Program committee

- ✦ Eugen Berman, Ben Gurion University, Beer Sheva
- ✦ Christos Bouras, University of Patras and Research Academic Computer Technology Institute
- ✦ Martyn Cooper, Open University UK
- ✦ Jose M. Martins Ferreira, University of Porto
- ✦ Ian Grouth, University of Limerick
- ✦ György Lipovszki, Technical University of Budapest
- ✦ Dieter Müller, University of Bremen
- ✦ Radu Munteanu, Technical University of Cluj-Napoca
- ✦ Michael Paraskevas, University of Patras
- ✦ Andreas Pester, Carinthia Tech Institute, Villach
- ✦ Joaquin Ros, University of Barcelona
- ✦ Vladimir Rummyantzev, National University Donetsk and Physico-technical Institute of NASU
- ✦ Riko Safaric, University of Maribor
- ✦ Cornel Samoilă, University Transylvania Brasov
- ✦ Rudolf Simon, M+W Zander Facility Engineering GmbH Stuttgart
- ✦ Jean-Pierre Taboy, Institut National des Sciences Appliquées de Lyon
- ✦ Volodymyr Tarassenko, National Technical University Kiev
- ✦ Thomas Wösch, Siemens AG, Munich

Important dates

24 April 2006: Submission of abstracts
05 May 2006: Proposals for workshops, tutorials, demos, exhibition
12 May 2006: Notification of acceptance
09 June 2006: Camera-ready due
29/30 June 2006: Symposium REV2006

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