

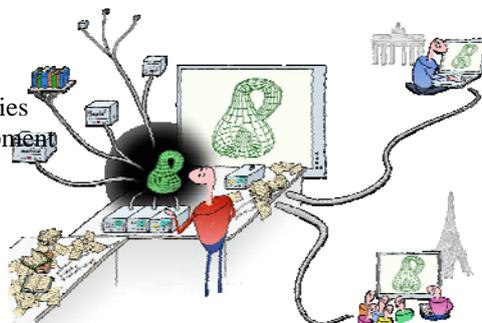
Call for Paper:

Workshop on Collaborative Remote Laboratories at the 3rd IEEE International Conference on e-Science and Grid Computing Bangalore, India, December 10-13, 2007

eScience is characterized by the cooperation of distributed research groups who share data and powerful computing environments. Often immense data sets that were produced by expensive equipment need to be accessed and evaluated by collaborating research groups who are working at distant locations. In order to reduce the amount of experimental data, remote control of the experimental setup should be provided. Thus, remotely controllable laboratories are necessary to conduct measurements on demand and with respect to specific scientific problems. Web-Platforms for mutual exclusive access are required to grant just one experimenter the control of the laboratory's equipment at a particular time while allowing others to follow the experiment. The acquired data must be made accessible to collaborating researchers and simultaneously a communication infrastructure for the joint evaluation of these measurements is needed. The objective of the workshop is to provide a forum for the presentation of new ideas to address the above requirements, which are essential to build collaborative remote laboratories.

Position papers should address one or more of the following issues:

- Set up and configuration / management of remote laboratories
- Collaborative control of / mutual access to laboratory equipment
- Communication and coordination of remote participants
- Sharing of experimental data / results
- Collaborative scientific analysis
- Architectures for collaborative remote laboratories



This half-day workshop will take place at the 3rd IEEE International Conference on e-Science and Grid Computing (<http://www.escience2007.org/>). It will be organized into topic-centred sessions. Each session will consist of invited presentations from participants. Enough time for intensive discussions will be provided. During the final session, the outcomes of the workshop will be summarized.

Participants are requested to submit position papers up to 4 pages (following the formatting templates available under <http://www.escience2007.org/>) via the conference management system EasyChair <http://www.easychair.org/CRL2007> until **July 22, 2007**. Position papers will be reviewed with respect to innovative ideas or proposals regarding the workshop topics. Based on the reviews, position papers will be accepted, clustered into thematic sessions, and authors of suitable position papers will be invited to give short presentations during the workshop. These presentations are thought to spark interesting discussions during the workshop. Notifications about acceptance/rejection will be sent to authors by **September 10, 2007**. Camera Ready Papers due until **October 5, 2007**.

The workshop proceedings, containing all accepted position papers, are published as a technical report by the FernUniversität in Hagen, and will be made available to all participants before the workshop. There is also a chance that selected papers will appear in the eScience2007 conference proceedings and in the "International Journal of Online Engineering".

Organization:

Jörg M. Haake, FernUniversität in Hagen, Germany, joerg.haake@fernuni-hagen.de

Wolfram H. Schiffmann, FernUniversität in Hagen, Germany, wolfram.schiffmann@fernuni-hagen.de

Program Committee:

Raj Buyya, Melbourne University

Kenneth Chiu, University of Binghamton

Ingvar G. Gustavsson, Blekinge Institute of Technology

Gary Olson, University of Michigan

Atul Prakash, University of Michigan

Peter Turner, University of Sydney