

Workflow systems in e-Science (WSES 06)

<http://staff.science.uva.nl/~zhiming/iccs-wses/>
<http://www.iccs-meeting.org/iccs2006/>

May 28-31, 2006
Reading, UK

Aims and scope

The *WSES* workshop focuses on practical aspects of scientific workflow management systems: design, implementation, applications in all fields of computational science, interoperability among workflows and the e-Science infrastructure, e.g., knowledge framework, for workflow management. The workshop aims to provide a forum for researchers and developers in the field of e-Science to exchange the latest experience and research ideas on scientific workflow management and e-Science.

Live demos of workflow systems and workflow application are welcome.

Topics

Authors are invited to submit original manuscripts that demonstrate current research in all areas of scientific workflow management in e-Science. The workshop solicits novel papers on a broad range of topics, including but not limited to:

- Workflow infrastructure and e-Science middleware.
- Workflow API and graphical user interface.
- Workflow modelling techniques.
- Workflow specification language.
- Workflow execution engine.
- Dynamic workflow control.
- Workflow verification and validation.
- Workflow system performance analysis.
- Support tools for managing workflows.
- AI techniques in workflow management, e.g., planning, runtime control and user support.
- Security control in managing workflow.
- Real-world applications of scientific workflow.
- Different levels of interoperability among workflow systems.
- Automatic composition of scientific workflow.
- Knowledge infrastructure in workflow management.

Paper submission and publications

Authors should submit electronically a full (8-page) paper in PDF format to (zhiming@science.uva.nl). The papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of expression. Accepted papers should be presented at the workshop. All accepted papers will be published in the conference proceedings in *Lecture Notes in Computer Science* (LNCS) series by Springer-Verlag.

Important dates

- December 17, 2005 Full paper due.
- January 31, 2006 Notification.
- February 10, 2006 Camera-ready paper due.

Programme committee

- Marian Bubak (AGH University of Science and Technology, Krakow, Poland).
- Rajkumar Buyya (The University of Melbourne, Australia).
- Ewa Deelman (University of Southern California, USA).
- Thomas Fahringer (University of Innsbruck, Austria).
- Bob Hertzberger (University of Amsterdam, the Netherlands).
- Minglu Li (Shanghai Jiaotong University, China).
- Ling Liu (Georgia Institute of Technology, USA).
- Peter Rice (European Bioinformatics Institute, UK).
- Ian Taylor (Cardiff University, UK).
- Zhiwei Xu (Chinese Academy of Sciences, China).

Organisers

Dr. Zhiming Zhao

email: zhiming@science.uva.nl

Informatics Institute, University of Amsterdam 1098SJ, Amsterdam, the Netherlands.

Dr. Adam Belloum

email: adam@science.uva.nl