2nd International Workshop on

Workflow systems in e-Science (WSES 07)

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

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 to the workshop via the ICCS 2007 paper submission system. All accepted papers will be published in the conference proceedings in *Lecture Notes in Computer Science* (LNCS) series by Springer-Verlag. Selected best papers, after extension, will be published in *a suitable international journal* as a special issue.

Important dates

- December 1, 2006 Full paper due.
- February 3, 2007 Notification.
- February 19, 2007 Camera-ready paper due.

Programme committee

- Pieter Adriaans (University of Amsterdam, the Netherlands)
- Marian Bubak (AGH University of Science and Technology, Krakow, Poland).
- Ilkay Altintas (University of California, USA)
- Ewa Deelman (University of Southern California, USA).
- Bob Hertzberger(University of Amsterdam, the Netherlands).
- Cees de Laat (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

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