

# The 8<sup>th</sup> IEEE/ACM International Conference on Grid Computing (Grid 2007)

Austin, Texas  
September 19-21, 2007  
<http://www.grid2007.org>



## Conference Organization

### General Co-Chairs

Warren Smith, University of Texas, USA  
Valerie Taylor, Texas A&M University, USA

### Program Chair

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### Program Vice Chairs

#### Applications

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#### Data Management

Kurt Stockinger, Lawrence Berkeley National Lab, USA

#### Knowledge Management and Semantic Grid

Jacek Kitowski, AGH University of Science and Technology, Poland

#### Networking/Security/Infrastructure

David Chadwick, University of Kent, UK

#### Scheduling/Resource Management/Runtime

#### Environments

Ewa Deelman, USC Information Sciences Institute, USA

#### Tools/Software/Middleware

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Rajkumar Buyya, University of Melbourne, Australia

### Finance Chair:

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### Local Arrangements Chair:

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### Tutorial Chair:

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### Workshop Chair:

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### Poster/Research Demonstrations Chair:

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Manish Parashar, Rutgers University, USA  
Heinz Stockinger, Swiss Institute of Bioinformatics, Switzerland

## Important Dates

7	April 2007	Preliminary paper submission
14	April 2007	Final paper submission
31	May 2007	Acceptance notification
22	June 2007	Camera ready copy due

## Call for Papers

Grid computing is evolving from the sharing of powerful computers for widely distributed applications to service orientation, open standards integration, collaboration, and virtualization. The ongoing development of the Grid as a service-oriented architecture for transparent and reliable distributed computing allows the reuse of existing components and information resources, and the assembly of these components in a flexible self-organizing manner. Hiding the complexity and technical details of the Grid from end users and application developers is going to play a crucial role in the future, for which issues related to security, provenance, automatic recovery, machine-interpretable metadata, QoS and SLA negotiation, etc. will have to be carefully addressed.

The Grid conference series is an annual international meeting with the objective to serve as both, the premier conference presenting best Grid research and as a forum for free exchange of ideas. Grid 2007 will feature invited talks and refereed paper presentations where new concepts are introduced and explored.

Previous events in this series have been successful in attracting high-quality papers and a wide international participation. This eighth event will be an independent conference, co-located with the Cluster 2007 conference with a one-day overlap.

## Scope

Topics of interest (in no particular order) include, but are not limited to:

- \* Applications, including eScience and eBusiness Applications
- \* Distributed and Large-Scale Data Access and Management
- \* Computing and Programming Models
- \* Programming Tools and Environments
- \* Distributed Problem Solving
- \* Creation and Management of Virtual Enterprises and Organizations
- \* Information Services
- \* Resource Management, Scheduling, and Runtime Environments
- \* Architectures and Fabrics
- \* Scientific, Industrial and Social Implications
- \* Monitoring, Management and Organization Tools
- \* Middleware and Toolkits
- \* QoS and SLA Negotiation
- \* Grid Economy and Business Models
- \* Autonomic and Utility Computing on Global Grids
- \* Cluster and Grid Integration Issues
- \* Networking and Security
- \* Performance Measurement and Modeling
- \* Metadata, Ontologies, and Provenance

## Technical Papers

Grid 2007 invites authors to submit original papers. Papers should be no more than 8 pages in length and be submitted as a PDF file. Submission implies the willingness of at least one of the authors to register and present the paper. A separate conference proceedings will be published and will also be a part of the IEEE Xplore and the CS digital library. For author instructions see

[http://www.grid2007.org/?m\\_b\\_c=paper\\_submission](http://www.grid2007.org/?m_b_c=paper_submission)