

# 3<sup>rd</sup> International Workshop on Middleware for Grid Computing - MGC 2005

co-located with ACM/IFIP/USENIX 6th International Middleware Conference 2005  
Grenoble, France - November 28<sup>th</sup> 2005  
<http://mgc2005.incc.br>

The 1<sup>st</sup> MGC workshop held on June 2003, in conjunction with the Middleware Conference, in Rio de Janeiro, Brazil, MGC 2003, saw a variety of efforts in Middleware for Grid Computing. There were 16 technical presentations and discussions on several stimulating topics including, Classic Grids, Object Oriented technologies, Service-based Grids, Open grid Service Architecture, Agent Grid, Interactive Grid, Grid Economy / Scheduling, and Portlets. Following the workshop, extended and thoroughly revised versions of the papers were invited to a Special Issue of Concurrency and Computation: Practice and Experience Journal published in 2004. The 2<sup>nd</sup> workshop in the MGC series brought together researches in the field of middleware for grid computing, addressing topics that emerged from 2003, and some novel ones such as, Strategies and Protocols for obtaining Quality of Services, Virtualization, Wireless Grids, Data Grid Middleware, Semantic Grid Middleware, Dependability and Fault Tolerance in Grid Middleware and Managing Information. The 2<sup>nd</sup> workshop received an unprecedented number of quality submissions. Fifteen full papers and nine posters were chosen for the workshop proceedings out of the forty eight papers originally submitted. The presenters highlighted issues and solutions in one or more of the themes identified for the workshop. Following the second workshop, thoroughly revised selected papers were invited to a Special Issue of Concurrency and Computation: Practice and Experience Journal to appear mid 2005. MGC 2003 ([mgc2003.incc.br](http://mgc2003.incc.br)), and 2004 ([mgc2004.incc.br](http://mgc2004.incc.br)), generated substantial interest in the community and it is expected that this interest will continue. Far from exhausting the topics of interest, they have paved the way for a third edition of the workshop in the series.

For MGC 2005 workshop, researchers from the various GRID middleware communities are encouraged to submit and present original work to be considered for publication. Overall topics of interest include but (not limited to):

- Grid and Web Services Architectures and Middleware
- Object Metadata and Schemas in Grid Middleware
- Programming Models and Tools in Grid Middleware
- Resource Management and Scheduling
- Strategies and Protocols for QoS in Grid Middleware
- Information Services in Grid Middleware
- Dependability and Fault Tolerance in Grid Middleware
- Performance Evaluation and Modeling in Grid Middleware
- Agent-based Approaches in Grid Middleware
- Core Grid Infrastructure
- Grid Security
- Virtualization in Grid Middleware
- Wireless Grids Middleware
- Data Grid Middleware
- Peer to Peer Protocols in Grid Computing
- Network Support for Grid Computing
- Grid Application Frameworks
- Portals and Portlet Containers

**Paper Submission:** The *Workshop on Middleware for Grid Computing* invites authors to submit original and unpublished work. Papers should not exceed 6 pages ACM style (single-spaced 2-column of text using 9-point size type on A4 paper). Authors should submit a PostScript (level 2) or PDF file that will print on a PostScript printer.

- Electronic only submission (via submission server).
- Submission requires the willingness of at least one of the authors to register and present the paper.
- All selected papers for this workshop are peer-reviewed and will be published with ACM.
- Selected (extended) papers will be invited to a special issue of Concurrency and Computation: Practice and Experience Journal to appear in 2006.

**Deadlines:** Submissions: Friday 26<sup>th</sup> August 2005  
Notice of acceptance: Friday 23<sup>rd</sup> September 2005  
Camera-ready: Friday 14<sup>th</sup> October 2005

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