



2nd International Workshop on Middleware for Grid Computing - MGC 2004

in conjunction with the 5th International Middleware Conference 2004
Toronto, Ontario, Canada - October 18th, 2004
<http://mgc2004.lncc.br>

History: The first edition of this workshop (MGC2003) was held on June 17th 2003, in conjunction with the Middleware Conference, in Rio de Janeiro, Brazil. MGC 2003 saw a good combination of the many different flavors in Middleware for Grid Computing, with 16 technical presentations and discussions on several stimulating topics including, among the others, Classic Grids, object oriented technologies, Service-based Grids, Open grid Service Architecture, Agent Grid, Interactive Grid, Grid Economy / Scheduling, and Portlets. After the event, extended and thoroughly revised versions of the papers were invited to a Special Issue of Concurrency and Computation: Practice and Experience Journal - Vol.16 N.5 2004. The first workshop generated substantial interest in the community and we hope to build on this tradition this year. Far from exhausting the topics of interest, MGC 2003 paved the way for a second edition of the workshop, that will continue the most interesting and stimulating topics emerged last year, and also include some novel issues.

Description: Much of the focus of Grid until recently has been within research organizations. Currently the involvement of commercial organization has increased tremendously. That leads to a greater focus on integration with commercial computing models and more work on the security and resource management models required for automated and secure access negotiation for remote resources. In order to control such a broad base of resources, Grid Computing has a middleware layer which controls the distributed execution of applications.

In this Workshop we would encourage researchers from the various GRID middleware communities to submit and present original work for publication. Overall topics of interest include but are not limited to:

- * Classic Grid Middleware
- * Object Oriented technologies or Component Middleware
- * WSRF/OGSA/Web services
- * Grid Middleware Architectures
- * Grid Services
- * Grid Middleware Security
- * Resource Management and Scheduling
- * Strategies and protocols for obtaining QoS
- * Semantic Grid Middleware
- * Managing Information in Grid Middleware
- * Grid Object Metadata and Schemas
- * Programming Models, Tools, and Environments
- * Performance Evaluation and Modeling
- * Evolution of and experiences with Grid systems
- * Wireless Grids
- * Data Grid Middleware
- * Dependability and Fault Tolerance in Grids
- * Virtualization in Grids

Paper Submission: The *Workshop on Middleware for Grid Computing* invites authors to submit original and unpublished work. Papers should not exceed 4-6 single-spaced pages of text (2 columns) using 10 point size type on A4 paper and conform to ACM style. Authors should submit a PostScript (level 2) or PDF file that will print on a PostScript printer. Submission implies the willingness of at least one of the authors to register and present the paper. All selected papers for are peer-reviewed and will be published in the ACM Digital Library. Selected (extended) papers will be invited to a special issue of Concurrency and Computation: Practice and Experience Journal for 2005. Some papers may be selected to be presented as posters. Electronic only submission.

Important Dates:

Paper submissions:	extended to July 18th, 2004
Papers Not. of acceptance:	August 14th, 2004
Papers Camera-ready:	September 1st, 2004

Program Committee

- * David **Abramson** - Monash U, AU
- * Cristiana **Amza** - U Toronto, CA
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- * Carlos **Westphall** - UFSC, BR
- * Artur **Ziviani** - LNCC, BR