



2nd Workshop on Middleware and Performance

Conjunct with The Fifth International Symposium on Parallel and Distributed Processing and Applications (ISPA'2007)

Niagara Falls, ON, Canada

Aug 28 – Sept 1, 2007

Middleware technologies consist of various components that form the infrastructure, or plumbing for parallel and distributed computing. Middleware performance plays a critical role on the end-to-end performance of distributed applications. Ensuring adherence to performance requirements in middleware-based distributed applications demands for methodologies and tools that enable the software designer to evaluate the impact on the application performance of different middleware alternatives

This workshop solicits papers on methods, measures, and tools for performance in the very broad context of middleware systems. This includes middleware infrastructures, interaction paradigms, communication protocols, software architectures, middleware applications and their relationship with performance. The second edition of the workshop aims to broaden the scope by specifically addressing the performance of service-oriented applications, or applications based on service-oriented architectures (SOAs). Semantic SOAs are also of interest, since they put together classical SOA technologies and emergent ontologies, e.g., in ubiquitous computing middleware and other seamless connectivity systems.

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Topics of Interest

The topics of interest include but are not limited to:

- Service governance and performance implications
- Performance analysis and modeling of service composition
- Capacity planning for SOA-based applications
- Performance for middleware infrastructures: service containers, cluster and grid computing
- Performance of middleware for distributed and web-based simulation
- Performance for adaptive/reflective middleware
- Qo- aware middleware support
- Metrics and evaluation strategies for middleware
- Performance studies of communication primitives, such as peer to peer, event, message and publish/subscribe-based communication
- QoS trade-off assessments, including measures, methods and models that integrate performance and QoS aspects of middleware systems
- Middleware performance engineering process and practice
- Model-driven approaches to performance engineering and governance of SOA-based applications
- Benchmark design and implementation for gathering performance characteristics of middleware systems
- Case studies and experience reports

Important Dates

- Submission deadline: April 1, 2007
- Notification of acceptance: May 10, 2007
- Camera-ready-copy of papers: June 10, 2007
- Workshop: August 28-September 1, 2007

Submission

Authors may contact the organizers for expression of interests and content appropriateness at any time. All papers must contain original material, not previously published or submitted for publication.

Submission details will be published on the workshop website (<http://womp.uib.es>)

It is expected that the proceedings of the workshop will be published by Springer's LNCS series or IEEE CS.