WMP 2006

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Workshop on Middleware and Performance

Conjunct with The Fourth International Symposium on Parallel and Distributed Processing and Applications (ISPA'2006)

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

This workshop aims to focus on methods, measures, and tools for performance of middleware technologies and distributed applications developed from middleware. This includes middleware infrastructures, interaction paradigms, communication protocols, software architectures, middleware applications, other non functional quality attributes, etc., and their relationship with performance.

Organizing committee

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José Merseguer	Spain
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Topic of Interests

The topics of the mini track will include but not limited to:

- Performance for adaptive/reflective middleware
- Performance for wireless, mobile, ad-hoc and sensor networks
- Performance for web services, cluster and grid computing
- Performance of middleware for distributed simulation
- QoS aware middleware support
- Metrics and evaluation strategies
- 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 as security, safety, availability, interoperability and other non-functional requirements.
- Middleware performance engineering practice
- Benchmark design, implementation for gathering performance characteristics of middleware systems
- Case studies and experience reports

Important Dates

- Submission deadline: July 10, 2006
- Notification of acceptance: August 25, 2006
- Camera-ready-copy of papers: September 20, 2006

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.

It is expected that the proceedings of the workshop programs will be published by Springer's LNCS series or IEEE CS. Submission must not exceed 5000 words or 10 pages according to IEEE CS format. Submissions in PDF are sent by email directly to cjuiz@uib.es and cc to dambro@info.uniroma2.it and jenny.liu@nicta.com.au