

# SENOPT

## International Workshop on Service-Oriented Engineering and Optimization

Goa, India

December 18, 2007

<http://pgroup.usc.edu/senopt/>



### CALL FOR PAPERS

IT-enabled operations are changing the face of global business. With the emergence of open standards such as HTTP, SOAP, and web services, web-enabled enterprise applications are expected to revolutionize the nature of large-scale distributed computing in eScience, eResearch, and eBusiness. The next generation of enterprise applications are being built on service-oriented architecture principles, emphasizing loose coupling and high reuse, with XML and web services as a key underlying implementation technology.

The workshop will provide a venue for academic and industry researchers to present and discuss issues and solution approaches for the design of scalable, configurable, and high-performance large-scale enterprise applications. Two aspects are of interest: engineering and optimization. *Engineering* encompasses issues in software engineering, software architecture and frameworks, development methodologies, design principles for web services and SOA, etc., that help create scalable, rapidly deployable, and configurable applications with reusable components and abstractions. *Optimization* refers to quantification and measurement of aspects such as ease of integration and reuse, in addition to traditional metrics such as latency, throughput, response time, etc.

Authors are invited to submit original unpublished manuscripts that demonstrate current research and/or practice on design, engineering, and optimization of such applications. Topics of interest include but are not limited to:

- ✓ Processes, frameworks, and methodologies
- ✓ Performance metrics and measurement strategies
- ✓ Innovative applications and performance evaluation of semantic web technologies
- ✓ Software architectures for reusability and rapid reconfiguration
- ✓ Large scale event modeling and management
- ✓ Service discovery, composition, availability, and adaptive reconfiguration
- ✓ Theoretical performance analysis: complexity, correctness, scalability, fault-tolerance
- ✓ Case studies related to engineering and optimization in real world deployments

Submission guidelines will be available at the workshop web site

<http://pgroup.usc.edu/senopt>

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#### IMPORTANT DATES

**September 15, 2007** Paper Submission

**October 15, 2007** Acceptance Notification

**October 29, 2007** Camera-Ready Submission

Co-located with the 14th IEEE International Conference on High Performance Computing (HiPC 2007)

<http://www.hipc.org/>