



Call for Papers

ACM WOSP 2005

Fifth International Workshop on Software and Performance

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- Carlos Guerrero, Universitat de les Illes Balears, Spain

July 11 – 15, 2005

Universitat de les Illes Balears
Palma de Mallorca, SPAIN



Modern software systems are complex and often have strict performance and scalability requirements. Better tools and methods are urgently needed to improve their performance. WOSP brings together software engineers, developers, performance analysts and modellers who are addressing the challenges of increasing system complexity, rapidly evolving software technologies, short time to market, incomplete documentation, and less than adequate quantitative methods, models and tools. We expect a strong mixture of academic and industrial participation.

The previous WOSP events in Santa Fe (1998), Ottawa (2000), Rome (2002) and San Francisco (2004) have brought together researchers and practitioners interested in quantitative analysis of software systems, at every stage of development and operation. Topics of interest include but are not limited to the areas listed below. The emphasis is on software system performance, especially from the middleware up to the application level:

- Performance Measurement, Modelling, and Management for Software Systems: Performance testing methods and tools, Measurement and monitoring techniques and services, Analysis of measured data, Quality of Service of applications, Autonomic systems, Performance modelling of software applications, Performance modelling of software architectures, Performance modelling of software analysis and design models.
- Modelling Tools and Techniques: Performance evaluation methods-tools-frameworks, Gathering and exploiting data, Automated model building from software specifications, Capturing user behaviour and QoS requirements in software performance models, Model and data interchange formats, SPE in the context of OMG's Model Driven Architecture (MDA), Methods and tools to guarantee Quality of Service of adaptive/intelligent software applications.
- SPE Process and Practices: Defining and managing performance goals and requirements, Performance budgeting for development groups, System and software architectural assessment, Performance-oriented design/implementation, Performance annotation of software specifications, Experience with SPE, Performance modelling and evaluation of software components within Intelligent Systems (performance ontologies, performance oriented knowledge representation, natural interaction software), Middleware performance, Component-based system performance.

Important Deadlines:

- December 3 – paper submission deadline.
- March 1 – author notification.
- April 15 – camera ready due.

Please submit:

- Full papers (up to 12 two-column proceedings pages, prepared using standard ACM proceedings format at <http://www.acm.org/sigs/pubs/proceed/template.html>), with research results and advances of the state of the art.
- Experience papers, up to 8 pages, on practical aspects.
- Working session proposals, up to 2 pages explaining the issues to be discussed.
- Tutorial proposals, up to 2 pages outlining the coverage, and including the intended duration (90 minutes, three hours, or six hours).

Tutorial and working session proposals should be sent by e-mail to the Tutorial and Programme Chairs, respectively. All other submissions should be made electronically using the paper submission site. Simultaneous or similar submissions to other conferences or journals are not allowed.

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In cooperation with the Computer Measurement Group (CMG), IFIP
WG 6.3 and 7.3