

# ROSSA 2009

1<sup>st</sup> International Workshop on Run-time mOdelS for Self-managing Systems and Applications

<http://rossa2009.org/>



In conjunction with Fourth International Conference on Performance Evaluation Methodologies and Tools  
Valuetools 2009, Pisa Italy, October 19, 2009

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Performance models have a central role in the design, capacity planning, and management of computing systems. Models may be used at design-time to support capacity planning of the physical infrastructure and to analyze the effects and trade-offs of different architectural choices, anticipating the discovery of potential bottlenecks which may degrade system performance. Models may also be used at run-time to assess the compliance of the running system with respect to the design-time model and to measure the real system performance parameters in order to fill the gap between design-time and run-time. Models at run-time can also assess the compliance of service level agreements and trigger the run-time re-configuration of autonomic systems.

The goal of this workshop is to bring together researchers and practitioners, who investigate concepts, models and tools for the run-time management of computing systems to analyze autonomic systems transients and describe their behavior at very fine grained time scales.

### Topics include but are not limited to:

- Run-time monitoring and tools, models parameters estimation.
- Control theory models, system identification methods and tools for autonomic systems.
- Burstiness analyses and system transients modeling.
- QoS management and dynamic reconfiguration of autonomic systems.
- Fault tolerance assurance and availability assessment in evolving run-time systems.

### Intended audience

Researchers and practitioners, both from the Academia and from the Industry, working in the areas of performance evaluation, control theory, system identification, and QoS management of autonomic systems.

### Workshop Publication and Submission Instructions

The workshop papers will be published together with regular papers in the conference proceedings and will be included in the ACM Digital Library. The following types of submission are solicited:

- Long paper submissions, describing substantial contributions of novel ongoing work. Long papers should be at most 10 pages long.
- Short paper submissions, describing work in progress. These papers should be at most 6 pages long.

All the submissions should be formatted as follows:

- The first page should include the title, author's name(s), affiliation, mailing address, e-mail, the abstract of the paper and up to five keywords.
- Papers should be submitted in the ACM conference proceedings format: Suitable templates can be retrieved from the ACM Web site <http://www.acm.org/sigs/publications/proceedings-templates>.
- Papers should be submitted exclusively as PDF files through easychair.

The authors of the best selected papers will be invited to submit an extended version of their work to a book under Springer Birkhauser's "Autonomic Systems" series.

### Organizers

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### Important Dates

Deadline for Workshop paper submissions (hard): July 10, 2009

Notification of acceptance: July 24, 2009

Camera-ready version and copyright form (hard): August 1, 2009

Workshop day: October 19, 2009

