

ACM SIGMETRICS 2010

International Conference on Measurement and Modeling of Computer Systems

Columbia University, NY, USA, June 14-18, 2010

<http://www.sigmetrics.org/sigmetrics2010/>



The ACM SIGMETRICS conference solicits papers on the development and application of analytic, simulation and measurement-based performance evaluation techniques. Of particular interest is research that furthers the state-of-the-art in performance evaluation methods or that creatively applies existing methods to investigate key design/performance trade-offs in computer or network systems. Topics of interest include, but are not limited to:

- Performance-oriented design and evaluation studies of:
 - ◆ Network architectures, protocols and algorithms
 - ◆ Operational networks, Network applications and servers
 - ◆ Wireless, Mobile, Ad-hoc and Sensor networks
 - ◆ Operating systems, File systems, Distributed and Cloud computing
 - ◆ Computer architectures, Memory systems, Storage systems, Databases
 - ◆ Internet servers, Multimedia systems, P2P, Web services
 - ◆ Real-time systems, Fault-tolerant systems, Language systems
 - ◆ Security systems, Network attacks and Anomaly detection
- Performance methodologies, evaluation techniques and algorithms for:
 - ◆ Analytic modeling, Model verification and validation
 - ◆ System and Performance measurement, monitoring and forecasting
 - ◆ Workload characterization, Benchmarking, Capacity planning
 - ◆ Experimental design, Reliability analysis, Social networks
 - ◆ Statistical analysis, Simulation, Signal processing
 - ◆ Stochastic modeling, Random graph models, Stochastic analysis
 - ◆ Scheduling, Resource allocation, Power management, QoS, Pricing
 - ◆ Theory: Control, Probability, Optimization, Queueing, System dynamics

SUBMISSION GUIDELINES

Papers should not exceed 12 pages double column including figures and tables in standard ACM format. Papers must be submitted electronically in printable pdf form; for detailed submission instructions, refer to the conference web site. No changes to margins, spacing, or font sizes are allowed from those specified by the style file. Papers violating the formatting guidelines will be returned without review. All submissions will be reviewed using a double-blind review process. The identity of authors and referees will not be revealed to each other. To ensure blind reviewing, authors names and affiliations should not appear in the paper; bibliographic references should be made in such a way as to preserve author anonymity. A limited number of submitted papers will be accepted for a poster session. Papers of particular merit will be forwarded to a journal for fast-tracking.

WORKSHOPS

Workshops will take place before and after the main conference. Send 1-2 page proposals to the general chair. Include the proposed title, brief description of topics, intended audience, and membership of workshop organizing committee. Proposals must be submitted electronically in printable pdf, or plain text.

IMPORTANT DATES

Abstract due: November 2, 2009
Full paper due: November 9, 2009
Notification: February 9, 2010



ACM SIGMETRICS

ORGANIZING COMMITTEE

General Chair:

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TUTORIALS

A series of tutorials will immediately precede the main conference. Send proposals of no more than 1-2 pages for 90 minute or 3 hours tutorials to the tutorials chair. Include the proposed title, brief description of material, intended audience, assumed background of attendees, and the name, affiliation, contact information (email & phone) and brief biography of speaker(s). Proposals must be submitted electronically in printable pdf, or plain text.