ACM SIGMETRICS 2011

International Conference on Measurement and Modeling of Computer Systems

San Jose, CA, USA, June 7-11, 2011

http://www.sigmetrics.org/sigmetrics2011

Part of ACM Federated Computing Research Conference (FCRC)

http://www.acm.org/fcrc

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

- Methodologically-oriented design and evaluation studies of:

  - Network architectures, protocols, and algorithms
  - Wireless, mobile, ad-hoc, and sensor networks
  - Computer architectures, memory systems, and storage systems
  - Operating systems, file systems, and databases
  - Virtualization
  - Distributed and cloud computing
  - Social networks, Internet servers, multimedia systems, and web services
  - Energy-efficient computing systems
  - Emerging technologies
  - Mobile and personal computing systems
  - Real-time systems, fault-tolerant systems, and language systems
  - Security systems and network attacks
  - Large-scale operational systems

- Methodologies, evaluation techniques, and algorithms for:

  - Performance, power, and reliability analysis
  - Capacity planning, resource allocation, scheduling, QoS, and pricing
  - Anomaly detection
  - Analytic modeling, model verification, and validation
  - System measurement, monitoring, and forecasting
  - Workload characterization and benchmarking
  - Design of experiments
  - Statistical analysis, simulation, and signal processing

ORGANIZING COMMITTEE

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SUBMISSION GUIDELINES

Papers should not exceed 12 pages, double column, including figures, tables, and references in standard ACM format. Papers must be submitted electronically in printable PDF. For detailed, up-to-date 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.

WORKSHOPS

Workshops will take place before the main conference. Send proposals of no more than 1-2 pages, in printable PDF, for half-day or full-day workshops to the Workshops/Tutorials Chair (bianca@cs.toronto.edu). Include the proposed title, brief description of topics, intended audience, and membership of workshop organizing committee.

IMPORTANT DATES

Abstract due: November 1, 2010
Full paper due: November 8, 2010
Workshop/Tutorial proposals due:
November 22, 2010
Notification: February 7, 2011

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TUTORIALS

A series of tutorials will immediately precede the main conference. Send proposals of no more than 1-2 pages, in printable PDF, for 90 or 180 minute tutorials to the Workshops/Tutorials Chair (bianca@cs.toronto.edu). Include the proposed title, brief description of material, intended audience, assumed background of attendees, and name, affiliation, contact information (email & phone), and brief biography of the speaker(s).