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VALUETOOLS

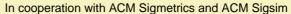


2nd International Conference on

PERFORMANCE EVALUATION **METHODOLOGIES AND TOOLS**

www.valuetools.org

23-25 October, 2007, Nantes (France)



In recent years, a range of performance evaluation methodologies and tools has been developed within disparate research communities for the purposes of evaluation, design, and model reduction. The aim of the Performance Evaluation Methodologies and Tools conference is to build bridges between these communities, bringing theory and practice together in order to:

- o compare and debate the complete range of performance evaluation methodologies and their implementation into tools;
- o promote interdisciplinary flow of technical information among industry systems designers and researchers.

Performance evaluation techniques will draw from the following:

- · Network calculus
- · Advanced simulation tools
 - o Simulation of rare events

 - o Parallel/distributed simulations Variance reduction techniques
 - Large deviations
 - o Hybrid system simulation
- Stochastic processes
- o Stochastic geometry
- o Long-range dependence
- o Self-similarity
- Point processes
- o Traffic models and measurements

- · Discrete event systems
 - o Petri nets
 - o Max-plus algebra
 - Supervisory control and optimization
- · Queueing theory
 - o Analytical models
 - o Approximation methods
 - o (In)sensitivity
 - o Dynamic fluid models
 - o Diffusion models
 - o Dam processes
 - o Perturbation approaches
 - o Control of queues

Envisaged applications are drawn from, but are not restricted to, the following areas:

- o Networking
- o Distributed Systems
- o Computer Systems
- o Manufacturing Systems
- o Communication Systems
- o Call Centers
- o Reliability / Performability

- o Road Traffic and Transportation Systems
- o Optimization (including game theory and convex optimization)
- Graph Theory (incl. random graphs)
- o Interdisciplinary Methodologies (economic, biological and social models)

Selected papers will be published in a special issue of Performance Evaluation and others for fast track publication in Discrete Event Dynamic Systems. All accepted papers will be made available in ACM Digital Library. The event is technically sponsored by ACM Sigmetrics and ACM Sigsim.

Valuetools 2007 features four co-located Workshops:

October 22 October 26 GameComm: Game theory in Commu-Inter-Perf: Workshop on interdisciplinary systems approach in performance evaluation and design of nication networks (Deadline: May 5) computer & communication systems (Deadline: April 30) **NSTools**: 1st Int. Workshop on Network SMCtools: Int. Workshop on Tools for solving Structured Simulation Tools (Deadline: April 30) Markov Chains (Deadline: May 10)

Important Dates

Full papers due: April 30, 2007, VERY LAST Notification of acceptance: July 5, 2007 Final version due: July 22, 2007

Submissions: Authors are invited to submit full papers of up to 10 pages in ACM conference proceedings format through COCUS (http://cocus.create-net.it)