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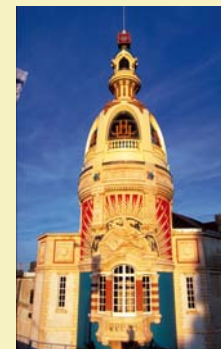
VALUETOOLS

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:

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

Performance evaluation techniques will draw from the following:

- Network calculus
- Discrete event systems
 - Petri nets
 - Max-plus algebra
 - Supervisory control and optimization
- Advanced simulation tools
 - Simulation of rare events
 - Parallel/distributed simulations
 - Variance reduction techniques
 - Large deviations
 - Hybrid system simulation
- Queueing theory
 - Analytical models
 - Approximation methods
 - (In)sensitivity
 - Dynamic fluid models
 - Diffusion models
 - Dam processes
 - Perturbation approaches
 - Control of queues
- Stochastic processes
 - Stochastic geometry
 - Long-range dependence
 - Self-similarity
 - Point processes
 - Traffic models and measurements

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

- Networking
- Distributed Systems
- Computer Systems
- Manufacturing Systems
- Communication Systems
- Call Centers
- Reliability / Performability
- Road Traffic and Transportation Systems

We also solicit papers on applications of Optimization (including game theory and convex optimization), Graph Theory (including random graphs) and Interdisciplinary Methodologies (economic, biological and social models) in the above areas.

Selected papers will be considered for publication in special issues of *Performance Evaluation*¹ and *Discrete Event Dynamic Systems*¹.

Important Dates

Full papers due: March 30, 2007

Notification of acceptance: June 20, 2007

Final version due: July 20, 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>)

¹ Approval pending.