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**
- **Advanced simulation tools**
  - Simulation of rare events
  - Parallel/distributed simulations
  - Variance reduction techniques
  - Large deviations
  - Hybrid system simulation
- **Stochastic processes**
  - Stochastic geometry
  - Long-range dependence
  - Self-similarity
  - Point processes
  - Traffic models and measurements
- **Discrete event systems**
  - Petri nets
  - Max-plus algebra
  - Supervisory control and optimization

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

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.

**Valuertools 2007** features four co-located **Workshops**:

- **GameComm**: Game theory in Communication networks (Deadline: May 5)
- **Inter-Perf**: Workshop on interdisciplinary systems approach in performance evaluation and design of computer & communication systems (Deadline: April 30)
- **NSTools**: 1st Int. Workshop on Network Simulation Tools (Deadline: April 30)
- **SMTools**: Int. Workshop on Tools for solving Structured 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)