

**1st International Conference on Quantitative Evaluation of SysTems  
(formerly TOOLS + PNPM + PAPM/ProbMIV)**

University of Twente, Enschede, the Netherlands  
September 27-30, 2004

**INTRODUCTION**

The First International Conference on the Quantitative Evaluation of SysTems, QEST 2004, gathers the research of four established conferences on this theme, which have held various combined meetings over the last 20 years:

- Tools, the International Conference on Modeling Techniques and Tools for Computer Performance Evaluation (held 12 times since 1984),
- PNPM, the International Workshop on Petri Nets and Performance Models (held 10 times since 1985),
- PAPM, the International Workshop on Process Algebras and Performance Modeling (held 10 times since 1993) and
- ProbMIV, the International Workshop on Probabilistic Methods in Verification (held 5 times since 1998).

QEST is the world's leading forum on all kinds of evaluation and verification of computer and communication systems, and related systems in manufacturing and business processes, through measurements and through models that may include stochastic and non-deterministic behaviour.

**VENUE**

QEST'04 will be hosted at the beautiful green campus of the University of Twente, in Enschede, The Netherlands. Hotels are available on and just outside campus, both at walking distance, as well as in the city centre of Enschede (with very good bus services to the campus). As part of the social programme, we will visit the Rijksmuseum Twente and have dinner in restaurant "De Jaargetijden", located nicely in one of the old city parks in Enschede.

**REGULAR PAPERS**

After a careful review process, the PC selected 28 papers (out of 80 submitted), which will be published in an IEEE proceedings. QEST'04 will have sessions on case studies, time and continuous Petri nets, scheduling and optimisation, generation and solution of Markov chains, model checking, symbolic techniques, semantics, and tools.

**TOOL PAPERS**

In addition to the regular papers, 14 short tool papers will be presented, and the corresponding tools will be demonstrated.

**INVITED SPEAKERS**

The conference programme has been enhanced by 3 invited keynote addresses: G. Koole (Free University, Amsterdam) on "Performance and optimization in customer contact centers"; M. Colajanni (University of Modena) on "Emerging internet-based services: New frontiers for performance models"; and Th. Henzinger (EPF Lausanne) on "Trading memory for randomness".

**TUTORIALS**

QEST'04 will have 6 half-day tutorials: "Software performance models" (A. Di Marco et al. and D. Petriu), "Timed models" (P. Bouyer and M. Bravetti), "Quantitative programme analysis for security" (A. Di Pierro et al.), "Stochastic games" (M. Jurdzinski), "Structural analysis of Markov chains" (P. Buchholz and G. Ciardo), and "Probabilistic model checking and neural nets" (M. Kwiatkowska and G. Rubino).

**SPONSORS**

Sponsors include the Netherlands Organisation for Scientific Research (NWO); the Institute for Programming Research and Algorithmics (IPA); the Department of Electrical Engineering, Mathematics and Computer Science at the University of Twente; and the Centre for Telematics and Information Technology at the University of Twente.

**HOTEL BOOKING**

See [www.qest.org](http://www.qest.org) for hotel information. Do book your hotel in time. Hotel rooms cannot be guaranteed!

**REGISTRATION**

Online via <http://www.qest.org/>

Early registration:	Until August 15, 2004
Late registration:	Until September 15, 2004
On-site registration:	After September 15, 2004
Student registration (lower fee) & other reductions:	only before August 15, 2004



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