



## CONFERENCE CHAIR

Reinhard German  
(U Erlangen-Nürnberg)

## LOCAL ORGANIZATION

Winfried Dulz  
Armin Heindl  
Kai-Steffen J. Hielscher  
Kemal Köker

## TOOLS CHAIR

Kai-Steffen J. Hielscher

## PROGRAM COMMITTEE

Gunter Bolch (U Erlangen-Nürnberg)  
Lothar Breuer (U Trier)  
Peter Buchholz (U Dortmund)  
Joachim Charzinski  
(Siemens AG München)  
Hans Daduna (U Hamburg)  
Hermann de Meer (U Passau)  
Anja Feldmann (TU München)  
Kurt Geihs (U Kassel)  
Reinhard German  
(U Erlangen-Nürnberg)  
Carmelita Görg (U Bremen)  
Franz Hartleb (T-Systems, Darmstadt)  
Gerhard Haßlinger  
(T-Systems, Darmstadt)  
Boudewijn Haverkort (U Twente)  
Armin Heindl (U Erlangen-Nürnberg)  
Holger Hermanns (U Saarbrücken)  
Holger Karl (U Paderborn)  
Joost-Pieter Katoen (RWTH Aachen)  
Peter Kemper (U Dortmund)  
Ulrich Killat (TU Hamburg-Harburg)  
Udo Krieger (U Bamberg)  
Paul J. Kühn (U Stuttgart)  
Axel Lehmann (U BW München)  
Ralf Lehnert (TU Dresden)  
Christoph Lindemann (U Dortmund)  
Michael Menth (U Würzburg)  
Andreas Mitschele-Thiel (TU Ilmenau)  
Bruno Müller-Clostermann  
(U Duisburg-Essen)  
Jörg Oehlerich (Siemens AG München)  
Martin Paterok (Deutsche Bahn AG)  
Oliver Rose (TU Dresden)  
Andreas Schmietendorf  
(Hochschule Harz)  
Markus Siegle (U BW München)  
Helena Szczerbicka (U Hannover)  
Matthias Unbehaun (BMW AG)  
Bernd Wolfinger (U Hamburg)  
Adam Wolisz (TU Berlin)  
Katinka Wolter (HU Berlin)

# Call for Papers

## 13th GI/ITG Conference on Measurement, Modeling, and Evaluation of Computer and Communication Systems

(Organized by: GI Fachausschuss 3.2 / ITG Fachausschuss 6.5,  
Messung, Modellierung und Bewertung von Rechensystemen, MMB)

**March 27-29, 2006, Nürnberg, Germany**

Conference Homepage: [www.mmb2006.org](http://www.mmb2006.org)

The MMB is the main forum in Germany covering all aspects of performance evaluation of systems including networks, computer architectures, distributed systems, software, workflow and logistics systems. After its inception in 1981, we celebrate the 25<sup>th</sup> anniversary of this conference series. The MMB 2006 will start with a half day of tutorials from scientific and industrial experts and is accompanied by two workshops in parallel tracks allowing for an exchange of ideas between different but related research communities. The associated workshops are:

- ITG FA 6.2 Workshop on **Model-Based Testing**
- GI/ITG Workshop on **Non-Functional Properties of Embedded Systems**

Model-Based Testing is connected with performance evaluation by the use of similar models and by the similarity between quality-of-service testing and performance measurements. Non-Functional Properties of Embedded Systems refer to performance, dependability, security, and real-time as well as energy efficiency and costs of such systems which are increasingly heterogeneous and networked.

### TOPICS of the MMB include:

- Quantitative Evaluation of Systems including Performance, Dependability, Security, Survivability, Real-Time, Economic and Related Aspects
- Measurements and Benchmarking including Hardware/Software/Hybrid and Active/Passive Monitoring
- Modeling Paradigms including Queueing Systems, Stochastic Petri Nets, Stochastic Process Algebras, Simulation Languages, and Stochastic Extensions of the UML
- Analysis Techniques including Markov Chains, Non-Markovian Models, Fluid Models, etc.
- Simulation Techniques including Rare Events, Variance Reduction, Parallel and Distributed Simulation
- Combination of Stochastic Modeling and Formal Methods
- Computer and Software Architectures
- Workflow and Logistic Systems, Traffic and Transportation Systems
- Traffic Engineering, Network Planning and Optimization
- Access and Backbone Networks, Optical Networks, High-Speed Switching, Mobile and Wireless Networks, Web-Based Systems, Multimedia Systems
- Network Economics, Accounting, Tariffing
- Peer-to-Peer Networks, Networked Embedded Systems, Pervasive and Ubiquitous Computing, Adaptive and Self-Organizing Systems, and Sensor Networks
- Tools supporting all Techniques, Case Studies in all Application Fields

### SUBMISSION

Contributions reporting on research results on topics of the MMB and the associated workshops are solicited. Articles and presentations in English are preferred.

**MMB full conference papers:** Submitted papers should not exceed 20 double-spaced pages. Please follow the instructions for electronic submission given on the conference homepage. Papers must be unpublished and must not be submitted for publication elsewhere. All papers will be thoroughly reviewed by at least three referees on the basis of their originality and their scientific and practical contribution to the state-of-the-art. Accepted papers appear in the conference proceedings; a best paper award will be provided.

**Doctoral Colloquium:** PhD students are invited to present their work-in-progress and preliminary results to stimulate discussions about it. Thesis position papers (10 double-spaced pages) must contain unpublished material and must have a single author without PhD. Accepted submissions will be presented during the colloquium and will be published in the conference proceedings. Grants are available on demand to cover travelling costs partially.

**Workshop papers:** Please follow the instructions in the calls for papers of the workshops. Workshop papers will appear in technical reports.

**Tool descriptions:** Special sessions will be arranged to present and demonstrate tools relevant to any topic covered by the MMB and the workshops. Please send a tool description (up to four pages) to the tools chair. Accepted tool descriptions will be limited to two pages and will appear in the proceedings.

**Tutorial proposals:** Tutorials will be held in the morning of March 27 preceding the conference. Please send tutorial proposals to the conference chair.

### IMPORTANT DATES

- MMB Paper submission: October 1, 2005
- Tools & tutorial submission: November 15, 2005
- Workshop submission: December 15, 2005
- Author notification: December 15, 2005
- Final version: January 15, 2006