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## 14. GI/ITG Conference on Measurement, Modeling, and Evaluation MMB 2008

Organized by GI Fachausschuss 3.2 / ITG Fachausschuss 6.5, Messung, Modellierung und Bewertung von Rechenystemen, MMB

**March 31 - April 2, 2008 Dortmund, Germany**

Conference homepage: [www.mmb2008.org](http://www.mmb2008.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. The MMB 2008 will start with a half day of tutorials from scientific and industrial experts and is accompanied by a workshop in parallel tracks allowing for an exchange of ideas between different but related research communities:

– Workshop **Modelling of Large Logistics Networks**

Another workshop covering aspects from the area of communication systems is planned.

### 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 Modelling and Formal Methods
- Model Checking in Model-driven Software Development
- Traffic Engineering, Network Planning and Optimization
- Network Economics, Accounting, Tariffing
- Quantitative Analysis of
  - Computer and Software Architectures
  - Service-oriented Architectures
  - Access and Backbone Networks, Optical Networks, High-Speed Switching, Mobile and Wireless Networks, Web-Based Systems, Multimedia Systems
  - Peer-to-Peer Networks, Networked Embedded Systems, Pervasive and Ubiquitous Computing, Adaptive and Self-Organizing Systems, and Sensor Networks
  - Workflow and Logistic Systems, Traffic and Transportation Systems
- 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 but submissions in German are also possible.

**MMB- full conference papers:** Submitted papers should not exceed 20 double-spaced pages. 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.

**Workshop papers:** Please follow the instructions in the calls for papers of the workshops. Workshop papers will appear in technical reports; see the corresponding call for papers (via [www.mmb2008.org](http://www.mmb2008.org)).

**Tool descriptions:** Special sessions will be arranged to present and demonstrate tools relevant to any topic covered by the MMB and the workshops. Tool descriptions should not exceed four pages. Accepted tool descriptions will be limited to two pages and will appear in the proceedings.

**Tutorial proposals:** Tutorials in the morning of March 31 preceding the conference will be organized. Please send tutorial proposals to the conference chair.

### Important Dates -

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|--------------------------------|-------------------|
| ▪ MMB Paper submission:        | October 29, 2007  |
| ▪ Tools & tutorial submission: | November 15, 2007 |
| ▪ Workshop submissions:        | December 15, 2007 |
| ▪ Author notification:         | December 15, 2007 |
| ▪ Final version:               | January 15, 2008  |