WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

UNIVERSITY OF TWENTE.

WWU/Peter Grewer

MEASUREMENT
MODELLING
and
EVALUATION
of
COMPUTING
SYSTEMS

VDI VDE GMA
ITG
Dependability and
Fault Tolerance

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Call For Papers

18th International GI/ITG Conference on "Measurement, Modelling and Evaluation of Computing Systems" and "Dependability and Fault-Tolerance"

MMB & DFT 2016

**April 4-6, 2016,
Münster (Germany)**

ITG

Organized by GI/ITG Technical Committees on "Measurement, Modelling and Evaluation of Computing Systems (MMB)" and "Dependability and Fault-Tolerance (DFT)"
Conference Homepage: www.mmb2016.de

The technical committees MMB and DFT are the main fora in Germany covering all aspects of performance and dependability evaluation of systems including networks, computer architectures, distributed systems, workflow systems, software, fault-tolerant and secure systems. In 2016 both committees join forces in a common international conference **MMB & DFT 2016**. In addition to its scientific programme on performance and dependability evaluation techniques, it will comprise invited talks, tool presentations, state-of-the-art tutorials, and workshops focusing on hot topics.

Topics of MMB & DFT 2016 include:

Models and Methods

➡ Quantitative evaluation techniques related to performance, dependability, security, survivability, real-time constraints, cost, energy-efficiency and combined aspects like performance-security tradeoffs
➡ Fault-tolerant system and network design, dependable computing, redundancy techniques, fault modelling, fault injection
➡ Testing, measuring, benchmarking and monitoring of systems and networks
➡ Queueing systems, stochastic Petri nets, stochastic process algebras, Markov chains, non-Markovian models, fluid models, network calculus
➡ Simulation techniques including rare events, parallel and distributed simulation
➡ Combination of stochastic modeling and formal methods in engineering
➡ Model checking and theorem proving in model-driven software development
➡ Network economics, accounting, tariffing

Applications

➡ Computer and software architectures, cloud computing, organic computing, pervasive and ubiquitous computing, adaptive and self-organizing systems, embedded systems, sensor systems
➡ Fault-tolerant systems and networks, safety-oriented and security-oriented architectures, redundancy techniques
➡ Communication networks including access, backbone and optical networks, high-speed switching, software-defined networking, mobile and wireless networks, sensor networks, car communication, traffic engineering, network planning and optimization
➡ Peer-to-peer, overlay and information-centric networks, web-based systems, multimedia systems
➡ Complex networks, social networks, power-law and scale-invariant systems, biochemical systems
➡ Workflow and logistic systems, traffic and transportation systems

Special session on Critical Infrastructures

➡ Green IT, energy-efficient systems
➡ Future smart energy networks

Tools and Case Studies in all Areas of Application

Submission Formats

Full conference papers: 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. Papers must be written in English and must not exceed 15 pages (LNCS style). The proceedings will be published in the Springer LNCS series. A best paper award will be provided.
Practical experience reports and industrial papers: Besides full papers industrial papers and practical experience reports are also solicited. Reports should not exceed 8 pages (LNCS style).
Tool descriptions: Special sessions will be arranged to present and demonstrate tools relevant to any topic covered by the Call for Papers. Accepted tool descriptions should not exceed four pages and will appear in the proceedings.
Tutorial proposals: Please send your tutorial proposals (2 pages) to the conference chair.

Important Dates

All papers & tools description:	~~October 12~~ October 26, 2015
Tutorial Proposals:	November 15, 2015
Authors' Notification:	December 11, 2015
Final Version:	January 11, 2016
Conference:	April 4-6, 2016

www.mmb2016.de