

PUBLIKATIONSLISTE PROF. DR AXEL THÜMMLER

Stand: Januar 2011

Dissertation

Thümmeler, A.: Stochastic Modeling and Analysis of 3G Mobile Communication Systems.
Ph.D. dissertation: Department of Computer Science, University of Dortmund, July 2003,
Dortmund, Germany.

Automobilzeitschriften

Otterbach, R., Niggemann, O., Stroop, J. u. a.: Durchgehende Systemverifikation im
Entwicklungsprozess. In: ATZ Automobiltechnische Zeitschrift 109, Apr. (2007). Vieweg
Verlag / GWV Fachverlage GmbH. S. 298-307.

Internationale Zeitschriften

Panchenko A., Thümmeler, A.: Efficient Phase-Type Fitting with Aggregated Traffic Traces. In:
Performance Evaluation 64, August (2007). p. 629-645.

Thümmeler, A., Buchholz, P., Telek, M.: A Novel Approach for Phase-Type Fitting with the EM
Algorithm. In: IEEE Transactions on Dependable and Secure Computing 3, July (2006). p.
245-258.

Kemper, P., Müller, D., Thümmeler, A.: Combining Response Surface Methodology with
Numerical Methods for Optimization of Markovian Models. In: IEEE Transactions on
Dependable and Secure Computing 3, July (2006). p. 259-269.

Lindemann, C., Lohmann, M., Thümmeler, A.: Adaptive Call Admission Control for
QoS/Revenue Optimization in CDMA Cellular Networks. In: Wireless Networks 10 (2004). p.
457-472.

Lindemann, C., Lohmann, M., Thümmeler, A.: A Unified Approach for Improving QoS and
Provider Revenue in 3G Mobile Networks. In: Mobile Networks and Applications 8 (2003). p.
209-221.

Lindemann, C., Thümmeler, A.: Performance Analysis of the General Packet Radio Service.
In: Computer Networks 41 (2003). p. 1-17.

Lindemann, C., Lohmann, M., Thümmeler, A.: Adaptive Performance Management for UMTS
Networks. In: Computer Networks 38 (2002). p. 477-496.

Lindemann, C., Thümmeler, A.: Transient Analysis of Deterministic and Stochastic Petri Nets
with Concurrent Deterministic Transitions. In: Performance Evaluation 36&37 (1999). p. 35-
54.

Rezensierte Konferenzbeiträge:

Buchholz, P., Kemper, P., Müller, D. u. a.: OPEDo: A Tool Framework for Modeling and
Optimization of Stochastic Models. In: Proc. 1st Int. Conf. on Performance Evaluation
Methodologies and Tools (VALUETOOLS), ACM Int. Conf. Proc. Series, Vol. 180, Article No.
61, Oct. 2006. Pisa, Italy.

Buchholz, P., Thümmeler, A.: Enhancing Evolutionary Algorithms with Statistical Selection
Procedures for Simulation Optimization. In: Proc. ACM Winter Simulation Conference (WSC),
2005, Orlando, Florida, USA.

PUBLIKATIONSLISTE PROF. DR AXEL THÜMMLER

Stand: Januar 2011

Thümmeler, A., Buchholz, P., Telek, M.: A Novel Approach for Fitting Probability Distributions to Real Trace Data with the EM Algorithm. In: Proc. Int. Conf. on Dependable Systems and Networks (DSN), 2005, p. 712-721, Yokohama, Japan.

Publikationen

Kemper, P., Müller, D., Thümmeler, A.: Combining Response Surface Methodology with Numerical Models for Optimization of Class Based Queueing Systems. In: Proc. Int. Conf. on Dependable Systems and Networks (DSN), 2005. p. 550-559.

Buchholz, P., Müller, D., Thümmeler, A.: Optimization of Process Chain Models with Response Surface Methodology and the ProC/B Toolset. In: Entscheidungsunterstützende Systeme in Supply Chain Management und Logistik. eds. Günther, H.O., Mattfeld, D.C., Suhl, L., 2005. p. 551-573.

Lindemann, C., Thümmeler, A., Klemm, A. u. a.: Performance Analysis of Time-enhanced UML Diagrams Based on Stochastic Processes. In: Proc. 3rd Int. Workshop on Software and Performance (WOSP), 2002. p. 25-34.

Lindemann, C., Thümmeler, A.: Performance Analysis of the General Packet Radio Service. In: Proc. 21st Int. Conference on Distributed Computing Systems (ICDCS), 2001, p. 673-680.

Lindemann, C., Thümmeler, A.: Evaluating the GPRS Radio Interface for Different Quality of Service Profiles: eds. Killat, U., Lamerdorf, W. In: Informatik aktuell: 12th GI/ITG Fachtagung Kommunikation in Verteilten Systemen (KiVS), 2001, p. 291-301.

Lindemann, C., Thümmeler, A., Klemm, A. u. a.: Quantitative System Evaluation with DSPNexpress 2000. In: Proc. 2nd Int. Workshop on Software and Performance (WOSP), 2000, p. 12-17.

Lindemann, C., Reuys, A., Thümmeler, A.: The DSPNexpress 2.000 Performance and Dependability Modeling Environment. In: Proc 29th Int. Symposium on Fault-Tolerant Computing Systems (FTCS), 1999, p. 228-231.