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# Analytical and Stochastic Modeling Techniques and Applications

16th International Conference, ASMTA 2009
Madrid, Spain, June 9-12, 2009
Proceedings

Springer

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# Preface

It is our great pleasure to present the proceedings of the 16th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2009) that took place in Madrid.

The conference has become an established annual event in the agenda of the experts of analytical modelling and performance evaluation in Europe and internationally. This year the proceedings continued to be published as part of Springer's prestigious *Lecture Notes in Computer Science (LNCS)* series. This is another sign of the growing confidence in the quality standards and procedures followed in the reviewing process and the program compilation.

Following the traditions of the conference, ASMTA 2009, was honored to have a distinguished keynote speaker in the person of Kishor Trivedi. Professor Trivedi holds the Hudson Chair in the Department of Electrical and Computer Engineering at Duke University, Durham, NC, USA. He is the Duke-Site Director of an NSF Industry–University Cooperative Research Center between NC State University and Duke University for carrying out applied research in computing and communications. He has been on the Duke faculty since 1975. He is the author of a well–known text entitled *Probability and Statistics with Reliability, Queuing and Computer Science Applications*, published by Prentice-Hall, the second edition of which has just appeared. He has also published two other books entitled *Performance and Reliability Analysis of Computer Systems*, published by Kluwer Academic Publishers, and *Queueing Networks and Markov Chains*, by John Wiley. He is also known for his work on the modelling and analysis of software aging and rejuvenation.

The conference maintained the tradition of high-quality programs with an acceptance rate of about 40%. The program of ASMTA 2009 comprisd 27 high-quality papers organized into 7 sessions. Almost every paper was peer reviewed by three reviewers from the International Program Committee. The reviewers were truly wonderful this year, as well, and in most of the cases the reviews provided valuable comments that contributed to increasing the quality of the final versions of the papers. In many cases, discussion panels were also organized when the reviews were not decisive. We would like therefore to give a special thanks to all the members of the International Program Committee for the excellent work in the reviewing process and the subsequent discussion panels during the selection process.

Keeping the tradition, ASMTA was co-located with the European Conference on Modelling and Simulation, the official conference of the European Council on Modelling and Simulation. This gave the participants of ASMTA a unique opportunity to interact with colleagues from these very relevant and complementary

areas. They also enjoyed the keynote talks delivered by prominent figures in those areas.

The local organizers made every effort to make it a memorable event. For that we give them our sincere thanks and appreciation.

June 2009

Khalid Al-Begain
Dieter Fiems
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# Table of Contents

## Telecommunication Networks

Comparison of Multi-service Routing Strategies for IP Core Networks . . . . . 1
*Ulf Jensen and Armin Heindl*

Analysis of Opportunistic Spectrum Access in Cognitive Ad Hoc Networks . . . . . 16
*Mohamed A. Kalil, Hassan Al-Mahdi, and Andreas Mitschele-Thiel*

How Would Ants Implement an Intelligent Route Control System? . . . . . 29
*Hamid Hajabdolali Bazzaz and Ahmad Khonsari*

User Access to Popular Data on the Internet and Approaches for IP Traffic Flow Optimization . . . . . 42
*Gerhard Hasslinger, Franz Hartleb, and Thomas Beckhaus*

## Wireless and Mobile Networks

Solving Multiserver Systems with Two Retrial Orbits Using Value Extrapolation: A Comparative Perspective . . . . . 56
*M[a] Jose Domenech-Benlloch, Jose Manuel Gimenez-Guzman, Vicent Pla, Vicente Casares-Giner, and Jorge Martinez-Bauset*

Study of the Path Average Lifetime in Ad Hoc Networks Using Stochastic Activity Networks . . . . . 71
*Teresa Albero-Albero, Víctor-M. Sempere-Payá, and Jorge Mataix-Oltra*

Overall Delay in IEEE 802.16 with Contention-Based Random Access . . . . . 89
*Sergey Andreev, Zsolt Saffer, Andrey Turlikov, and Alexey Vinel*

Analyzing the Impact of Various Modulation and Coding Schemes on the MAC Layer of IEEE 802.11 WLANs . . . . . 103
*Osama M.F. Abu-Sharkh and Ahmed H. Tewfik*

## Simulation

Improving the Efficiency of the Proxel Method by Using Individual Time Steps . . . . . 116
*Claudia Krull, Robert Buchholz, and Graham Horton*

Efficient On-Line Generation of the Correlation Structure of F-ARIMA Processes . . . . . 131
*Maria-Estrella Sousa-Vieira, Andrés Suárez-González, José-Carlos López-Ardao, and Cándido López-García*

Different Monotonicity Definitions in Stochastic Modelling . . . . . 144
*Imène Kadi, Nihal Pekergin, and Jean-Marc Vincent*

## Queueing Systems and Distributions

Preliminary Results on a Simple Approach to G/G/c-Like Queues . . . . . 159
*Alexandre Brandwajn and Thomas Begin*

Moments Characterization of Order 3 Matrix Exponential Distributions . . . . . 174
*András Horváth, Sándor Rácz, and Miklós Telek*

Analysis of Discrete-Time Buffers with General Session-Based Arrivals . . . . . 189
*Sabine Wittevrongel, Stijn De Vuyst, and Herwig Bruneel*

On the Characterization of Product-Form Multiclass Queueing Models with Probabilistic Disciplines . . . . . 204
*Simonetta Balsamo and Andrea Marin*

## Queueing and Scheduling in Telecommunication Networks

A Queuing Model for the Non-continuous Frame Assembly Scheme in Finite Buffers . . . . . 219
*Boris Bellalta*

Equilibrium in Size-Based Scheduling Systems . . . . . 234
*Sebastien Soudan, Dinil Mon Divakaran, Eitan Altman, and Pascale Vicat-Blanc Primet*

Scalable Model for Packet Loss Analysis of Load-Balancing Switches with Identical Input Processes . . . . . 249
*Yury Audzevich, Levente Bodrog, Yoram Ofek, and Miklós Telek*

Mixed Finite-/Infinite-Capacity Priority Queue with General Class-1 Service Times . . . . . 264
*Thomas Demoor, Joris Walraevens, Dieter Fiems, Stijn De Vuyst, and Herwig Bruneel*

## Model Checking and Process Algebra

Stochastic Automata Networks with Master/Slave Synchronization: Product Form and Tensor . . . . . 279
*Thu Ha Dao Thi and Jean Michel Fourneau*

Weak Stochastic Comparisons for Performability Verification . . . . . 294
*Hind Castel-Taleb and Nihal Pekergin*

Numerical Method for Bounds Computations of Discrete-Time Markov Chains with Different State Spaces . . . . . 309
*Mourad Ahmane and Laurent Truffet*

## Performance and Reliability Analysis of Various Systems

Approximate Conditional Distributions of Distances between Nodes in a Two-Dimensional Sensor Network . . . . . 324
*Rodrigo S.C. Leão and Valmir C. Barbosa*

An Analytic Model for Optimistic STM with Lazy Locking . . . . . 339
*Armin Heindl and Gilles Pokam*

Optimal Adaptive Inspection Planning Process in Service of Fatigued Aircraft Structures . . . . . 354
*Konstantin Nechval, Nicholas Nechval, Gundars Berzinsh, Maris Purgailis, Uldis Rozevskis, and Vladimir Strelchonok*

Stochastic Modelling of Poll Based Multimedia Productions . . . . . 370
*Pietro Piazzolla, Marco Gribaudo, and Alberto Messina*

Modeling and Analysis of Checkpoint I/O Operations . . . . . 386
*Sarala Arunagiri, John T. Daly, and Patricia J. Teller*

**Author Index** . . . . . 401