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Note generali	"... the 15th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA 2008)"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Traffic Modeling -- Markovian Characterisation of H.264/SVC Scalable Video -- Using the Whittle Estimator for the Selection of an Autocorrelation Function Family -- Using Load Transformations to Predict the Impact of Packet Fragmentation and Losses on Markovian Arrival Processes -- Queueing Systems -- Modeling Web Server Traffic with Session-Based Arrival Streams -- Mixed Finite-/Infinite-Capacity Priority Queue with Interclass Correlation -- Performance Evaluation of

a Gradual Differentiation Scheme for Telecommunication Networks -- Analytical Methods and Applications -- An Analytical Study of the Resource Diffusion in Non-homogeneous P2P Networks -- A Hessenberg Markov Chain for Fast Fibre Delay Line Length Optimization -- Stochastic Fatigue Models for Efficient Planning Inspections in Service of Aircraft Structures -- Distributions in Stochastic Modeling -- Effective Minimization of Acyclic Phase-Type Representations -- A Response Time Distribution Model for Zoned RAID -- Exact Sojourn Time Distribution in an Online IPTV Recording System -- Queueing Networks -- An Empirical Case-Study of a Central-Server-Model on System Performance -- A Tandem Queueing Model for Delay Analysis in Disconnected Ad Hoc Networks -- Exact Asymptotic Analysis of Closed BCMP Networks with a Common Bottleneck -- Multiclass G-Networks of Processor Sharing Queues with Resets -- Simulation and Model Checking -- Simulation of a Peer to Peer Market for Grid Computing -- Perfect Simulation of Stochastic Automata Networks -- Model Checking of Infinite State Space Markov Chains by Stochastic Bounds -- Wireless Networks -- Bottleneck Analysis for Two-Hop IEEE 802.11e Ad Hoc Networks -- Contention-Based Polling Efficiency in Broadband Wireless Networks -- Performance Evaluation of the High Speed Downlink Packet Access in Communications Networks Based on High Altitude Platforms.

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## Sommario/riassunto

It is our great pleasure to present the proceedings of the 15th International Conference on Analytical and Stochastic Modelling Techniques and Applications (ASMTA2008) that took place on the beautiful island of Cyprus for the first time. The conference has become an important annual event in the fields of analytical modelling and performance evaluation in Europe and internationally. Nevertheless, efforts have been made year after year to raise the standard and the quality of the programme. This year the proceedings are 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 programme compilation. The conference was honored to have a distinguished keynote speaker in the person of Raymond Marie from IRISA/INRIA, France, who is a prominent figure of the analytical modelling community in Europe and worldwide. The conference had a high-quality programme with an acceptance ratio of 40%. The programme comprised 22 high-quality papers organized into 7 sessions. Almost every paper was peer reviewed by three reviewers from the International Programme Committee. The reviewers were truly wonderful this year, as well, and in most 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 therefore like to give a special thanks to all the members of the International Programme Committee for the excellent work in the reviewing process and the subsequent discussion panels during the selection process.

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