

Contents

Stochastic Bounds and Histograms for Active Queues Management and Networks Analysis	1
<i>Farah Ait-Salaht, Hind Castel-Taleb, Jean-Michel Fourneau, and Nihal Pekergin</i>	
Subsampling for Chain-Referral Methods	17
<i>Konstantin Avrachenkov, Giovanni Neglia, and Alina Tuholukova</i>	
System Occupancy of a Two-Class Batch-Service Queue with Class-Dependent Variable Server Capacity	32
<i>Jens Baetens, Bart Steyaert, Dieter Claeys, and Herwig Bruneel</i>	
Applying Reversibility Theory for the Performance Evaluation of Reversible Computations	45
<i>Simonetta Balsamo, Filippo Cavallin, Andrea Marin, and Sabina Rossi</i>	
Fluid Approximation of Pool Depletion Systems	60
<i>Enrico Barbierato, Marco Gribaudo, and Daniele Manini</i>	
A Smart Neighbourhood Simulation Tool for Shared Energy Storage and Exchange	76
<i>Michael Biech, Timo Bigdon, Christian Dielitz, Georg Fromme, and Anne Remke</i>	
Fluid Analysis of Spatio-Temporal Properties of Agents in a Population Model	92
<i>Luca Bortolussi and Max Tschaikowski</i>	
Efficient Implementations of the EM-Algorithm for Transient Markovian Arrival Processes	107
<i>Mindaugas Bražėnas, Gábor Horváth, and Miklós Telek</i>	
A Retrial Queue to Model a Two-Relay Cooperative Wireless System with Simultaneous Packet Reception	123
<i>Ioannis Dimitriou</i>	
Fingerprinting and Reconstruction of Functionals of Discrete Time Markov Chains	140
<i>Attila Egri, Illés Horváth, Ferenc Kovács, and Roland Molontay</i>	
On the Blocking Probability and Loss Rates in Nonpreemptive Oscillating Queueing Systems	155
<i>Fátima Ferreira, António Pacheco, and Helena Ribeiro</i>	

Analysis of a Two-Class Priority Queue with Correlated Arrivals from Another Node	167
<i>Abdulfetah Khalid, Sofian De Clercq, Bart Steyaert, and Joris Walraevens</i>	
Planning Inland Container Shipping: A Stochastic Assignment Problem.	179
<i>Kees Kooiman, Frank Phillipson, and Alex Sangers</i>	
A DTMC Model for Performance Evaluation of Irregular Interconnection Networks with Asymmetric Spatial Traffic Distributions	193
<i>Daniel Lüdtké and Dietmar Tutsch</i>	
Whittle's Index Policy for Multi-Target Tracking with Jamming and Nondetections.	210
<i>José Niño-Mora</i>	
Modelling Unfairness in IEEE 802.11g Networks with Variable Frame Length.	223
<i>Choman Othman Abdullah and Nigel Thomas</i>	
Optimal Data Collection in Hybrid Energy-Harvesting Sensor Networks	239
<i>Kishor Patil, Koen De Turck, and Dieter Fiems</i>	
A Law of Large Numbers for M/M/c/Delayoff-Setup Queues with Nonstationary Arrivals	253
<i>Jamol Pender and Tuan Phung-Duc</i>	
Energy-Aware Data Centers with s -Staggered Setup and Abandonment	269
<i>Tuan Phung-Duc and Ken'ichi Kawanishi</i>	
Sojourn Time Analysis for Processor Sharing Loss System with Unreliable Server	284
<i>Konstantin Samouylov, Valery Naumov, Eduard Sopin, Irina Gudkova, and Sergey Shorgin</i>	
Performance Modelling of Optimistic Fair Exchange	298
<i>Yishi Zhao and Nigel Thomas</i>	
Author Index	315



<http://www.springer.com/978-3-319-43903-7>

Analytical and Stochastic Modelling Techniques and
Applications

23rd International Conference, ASMTA 2016, Cardiff, UK,

August 24-26, 2016, Proceedings

Wittevrongel, S.; Phung-Duc, T. (Eds.)

2016, X, 315 p. 120 illus., Softcover

ISBN: 978-3-319-43903-7