Invited Paper

Credibility, Validity and Testing of Dynamic Simulation Models ........ 3
Yaman Barlas

Papers

Model-Based Development of a Multi-algorithm Harvest Planning System ...................................................... 19
Luis Diogo Couto, Peter W.V. Tran-Jørgensen, and Gareth T.C. Edwards

Cluster Performance Simulation for Spark Deployment Planning, Evaluation and Optimization ........................................ 34
Qian Chen, Kebing Wang, Zhaojuan Bian, Illia Cremer, Gen Xu, and Yejun Guo

Leonardo Martins, Pedro Canelas, André Mora, Andre S. Ribeiro, and José Fonseca

Proteins Flexibility as a Criterion for Elucidation of Activating Mutants in Personalized Cancer Medicine .................. 75
Igor F. Tsigelny, Razelle Kurzrock, Åge Aleksander Skjevik, Valentina L. Kouznetsova, Amélie Boichard, and Sadakatsu Ikeda

Distributed PowerShell Load Generator (D-PLG): A Tool for Generating Dynamic Network Traffic ................................. 83
Paul Jordan, Donald Van Patten, Gilbert Peterson, and Andrew Sellers

HLogo: A Haskell STM-Based Parallel Variant of NetLogo ........... 97
Nikolaos Bezirgiannis, I.S.W.B. Prasetya, and Ilias Sakellariou
Requirements Gathering and Validation for Risk-Oriented Tool Support in Supply Chains ................................................................. 120
Stephan Printz, Christophe Ponsard, Johann Philipp von Cube, Renaud De Landtsheer, Gustavo Ospina, Philippe Massonet, Robert Schmitt, and Sabina Jeschke

Making Network Solvers Globally Convergent ............................... 140
Tanja Clees, Igor Nikitin, and Lialia Nikitina

Predictive-Delay Control for Overloading in Real-Time Scheduling . . . 154
Zakaria Sahraoui, Abdenour Labeled, Mohamed Ahmed-Nacer, and Emmanuel Grolleau

Agent-Based Modelling and Simulation Framework for Health Care . . . 171
Karam Mustapha, Quentin Gilli, Jean-Marc Frayret, and Nadia Lahrichi

Parameter Identification of Canalyzing and Nested Canalyzing Boolean Functions with Ternary Vectors for Gene Networks ............ 198
Annika Eichler and Gerwald Lichtenberg

The Power of Surrogate-Assisted Evolutionary Computing in Searching Vaccination Strategy ............................................................. 222
Zong-De Jian, Tsan-sheng Hsu, and Da-Wei Wang

Modelling Population Dynamics Using a Hybrid Simulation Approach: Application to Healthcare ......................................................... 241
Bożena Mielczarek and Jacek Zabawa

A Simulation-Based Dynamic Scheduling Method in Project Cost Estimation Process ................................................................. 261
Nobuaki Ishii, Yuichi Takano, and Masaaki Muraki

Future Prediction of Regional City Using Causal Inference Based on Time Series Data ................................................................. 280
Katsuhito Nakazawa, Tetsuyoshi Shiotu, and Tsutomu Tanaka

Cooperative Radio Resources Allocation and Congestion Prevention Scheme for LTE-A ................................................................. 297
Mzoughi Houda, Faouzi Zarai, Mohammad S. Obaidat, Balqies Sadoun, and Lotfi Kamoun

Author Index .................................................................................. 315
Simulation and Modeling Methodologies, Technologies and Applications
International Conference, SIMULTECH 2016 Lisbon, Portugal, July 29-31, 2016, Revised Selected Papers
Obaidat, M.S.; Ören, T.; Merkuryev, Y. (Eds.)
2018, XIV, 316 p. 145 illus., Softcover
ISBN: 978-3-319-69831-1