

Contents

Towards Smart Systems of Systems	1
<i>Holger Giese, Thomas Vogel, and Sebastian Wätzoldt</i>	
Automated Integration of Service-Oriented Software Systems	30
<i>Marco Autili, Paola Inverardi, and Massimo Tivoli</i>	
Software Architecture Modeling and Evaluation Based on Stochastic Activity Networks	46
<i>Ali Sedaghatbaf and Mohammad Abdolahi Azgomi</i>	
Applicative Bisimulation and Quantum λ -Calculi	54
<i>Ugo Dal Lago and Alessandro Rioli</i>	
Modeling and Efficient Verification of Broadcasting Actors	69
<i>Behnaz Yousefi, Fatemeh Ghassemi, and Ramtin Khosravi</i>	
A Theory of Integrating Tamper Evidence with Stabilization	84
<i>Reza Hajisheykhi, Ali Ebneenasir, and Sandeep S. Kulkarni</i>	
A Safe Stopping Protocol to Enable Reliable Reconfiguration for Component-Based Distributed Systems	100
<i>Mohammad Ghafari, Abbas Heydarnoori, and Hassan Haghighi</i>	
Efficient Architecture-Level Configuration of Large-Scale Embedded Software Systems	110
<i>Razieh Behjati and Shiva Nejati</i>	
Benchmarks for Parity Games	127
<i>Jeroen J.A. Keiren</i>	
A Behavioural Theory for a π -calculus with Preorders	143
<i>Daniel Hirschhoff, Jean-Marie Madiot, and Xian Xu</i>	
Incremental Realization of Safety Requirements: Non-determinism vs. Modularity	159
<i>Ali Ebneenasir</i>	
Analyzing Mutable Checkpointing via Invariants	176
<i>Deepanker Aggarwal and Astrid Kiehn</i>	
High Performance Computing Applications Using Parallel Data Processing Units	191
<i>Keyvan Azadbakht, Vlad Serbanescu, and Frank de Boer</i>	
Improved Iterative Methods for Verifying Markov Decision Processes ...	207
<i>Jaber Karimpour, Ayaz Isazadeh, MohammadSadegh Mohagheghi, and Khayyam Salehi</i>	

A Pre-congruence Format for XY -simulation	215
<i>Harsh Beohar and Mohammad Reza Mousavi</i>	
Tooled Process for Early Validation of SysML Models Using Modelica Simulation	230
<i>Jean-Marie Gauthier, Fabrice Bouquet, Ahmed Hammad, and Fabien Peureux</i>	
Can High Throughput Atone for High Latency in Compiler-Generated Protocol Code?	238
<i>Sung-Shik T.Q. Jongmans and Farhad Arbab</i>	
<i>Painless</i> Support for Static and Runtime Verification of Component- Based Applications	259
<i>Nuno Gaspar, Ludovic Henrio, and Eric Madelaine</i>	
Linear Evolution of Domain Architecture in Service-Oriented Software Product Lines	275
<i>Sedigheh Khoshnevis and Fereidoon Shams</i>	
An Interval-Based Approach to Modelling Time in Event-B	292
<i>Gintautas Sulskus, Michael Poppleton, and Abdolbaghi Rezazadeh</i>	
From Event-B Models to Dafny Code Contracts	308
<i>Mohammadsadegh Dalvandi, Michael Butler, and Abdolbaghi Rezazadeh</i>	
Author Index	317

Fundamentals of Software Engineering
6th International Conference, FSEN 2015, Tehran, Iran,
April 22-24, 2015. Revised Selected Papers
Dastani, M.; Sirjani, M. (Eds.)
2015, X, 317 p. 80 illus. in color., Softcover
ISBN: 978-3-319-24643-7