

Table of Contents

Directed Model Checking for B: An Evaluation and New Techniques . . .	1
<i>Michael Leuschel and Jens Bendisposto</i>	
Midlet Navigation Graphs in JML	17
<i>Wojciech Mostowski and Erik Poll</i>	
Runtime Verification for Generic Classes with CONGu2	33
<i>Pedro Crispim, Ant3nia Lopes, and Vasco T. Vasconcelos</i>	
A High-Level Language for Modeling Algorithms and Their Properties	49
<i>Sabina Akhtar, Stephan Merz, and Martin Quinson</i>	
A Formal Environment Model for Multi-Agent Systems	64
<i>Paulo Salem da Silva and Ana C.V. de Melo</i>	
A Modal Interface Theory with Data Constraints	80
<i>Sebastian S. Bauer, Rolf Hennicker, and Michel Bidoit</i>	
Synchronizing Model and Program Refactoring	96
<i>Tiago Massoni, Rohit Gheyi, and Paulo Borba</i>	
A Type-Theoretic Framework for Certified Model Transformations	112
<i>Daniel Calegari, Carlos Luna, Nora Szasz, and lvvaro Tasistro</i>	
Simulating Truly Concurrent CSP	128
<i>Moritz Kleine and J.W. Sanders</i>	
Statistical Verification of Probabilistic Properties with Unbounded Until	144
<i>Hkan L.S. Younes, Edmund M. Clarke, and Paolo Zuliani</i>	
Reasoning about Assignments in Recursive Data Structures	161
<i>Alejandro Tamalet and Ken Madlener</i>	
Specification of a Localization Component Driven by a Goal-Based Approach: Some Lessons We Learned	177
<i>Abderrahman Matoussi, Frdric Gervais, and Rgine Laleau</i>	
A Formal Framework for Specifying and Analyzing Logs as Electronic Evidence	194
<i>Eduardo Mazza, Marie-Laure Potet, and Daniel Le Mtayer</i>	

Formal Development of a Cardiac Pacemaker: From Specification to Code.....	210
<i>Artur O. Gomes and Marcel V.M. Oliveira</i>	
A Decision Procedure for Bisimilarity of Generalized Regular Expressions	226
<i>Marcello Bonsangue, Georgiana Caltais, Eugen-Ioan Goriac, Dorel Lucanu, Jan Rutten, and Alexandra Silva</i>	
Normalization of Linear Horn Clauses	242
<i>Thomas Martin Gawlitza, Helmut Seidl, and Kumar Neeraj Verma</i>	
A Graph-Based Implementation for Mechanized Refinement Calculus of OO Programs	258
<i>Zhiming Liu, Charles Morisset, and Shuling Wang</i>	
Automating Refinement of <i>Circus</i> Programs	274
<i>Frank Zeyda and Ana Cavalcanti</i>	
Author Index	291