

Contents

Component-Based Modeling in Mediator	1
<i>Yi Li and Meng Sun</i>	
A Component-Oriented Framework for Autonomous Agents	20
<i>Tobias Kappé, Farhad Arbab, and Carolyn Talcott</i>	
Coordination of Dynamic Software Components with JavaBIP	39
<i>Anastasia Mavridou, Valentin Rutz, and Simon Bliudze</i>	
A Formal Model of Parallel Execution on Multicore Architectures with Multilevel Caches	58
<i>Shiji Bijo, Einar Broch Johnsen, Ka I Pun, and Silvia Lizeth Tapia Tarifa</i>	
Guarded Terms for Rewriting Modulo SMT	78
<i>Kyungmin Bae and Camilo Rocha</i>	
On Weighted Configuration Logics	98
<i>Paulina Paraponiari and George Rahonis</i>	
Compositional Model Checking Is Lively.	117
<i>Sander de Putter and Anton Wijs</i>	
Safety Analysis of Software Components of a Dialysis Machine Using Model Checking	137
<i>M.D. Harrison, M. Drinnan, J.C. Campos, P. Masci, L. Freitas, C. di Maria, and M. Whitaker</i>	
TOM: A Model-Based GUI Testing Framework	155
<i>Miguel Pinto, Marcelo Gonçalves, Paolo Masci, and José Creissac Campos</i>	
Correctness-by-Learning of Infinite-State Component-Based Systems.	162
<i>Haitham Bou-Ammar, Mohamad Jaber, and Mohamad Nassar</i>	
The Implementation of Object Propositions: The Oprop Verification Tool . . .	179
<i>Ligia Nistor and Jonathan Aldrich</i>	
Certification of Workflows in a Component-Based Cloud of High Performance Computing Services	198
<i>Allberson B. de Oliveira Dantas, F. Heron de Carvalho Junior, and Luis S. Barbosa</i>	

Fault Localization in Service Compositions	216
<i>Heike Wehrheim</i>	
Correct Composition of Dephased Behavioural Models	233
<i>Juliana Bowles and Marco B. Caminati</i>	
Author Index	251

Formal Aspects of Component Software
14th International Conference, FACS 2017, Braga,
Portugal, October 10-13, 2017, Proceedings
Proença, J.; Lumpe, M. (Eds.)
2017, X, 251 p. 58 illus., Softcover
ISBN: 978-3-319-68033-0