

Contents

Evaluating Variability Modeling Techniques for Supporting Cyber-Physical System Product Line Engineering	1
<i>Safdar Aqeel Safdar, Tao Yue, Shaukat Ali, and Hong Lu</i>	
Complex Event Processing in ThingML.	20
<i>An Ngoc Lam and Øystein Haugen</i>	
SDL: Meeting the IoT Challenge	36
<i>Edel Sherratt</i>	
Applying MDA and OMG Robotic Specification for Developing Robotic Systems	51
<i>Claudia Pons, Gabriela Pérez, Roxana Giandini, and Gabriel Baum</i>	
Domain Model Optimized Deployment and Execution of Cloud Applications with TOSCA	68
<i>Fabian Glaser</i>	
Representativeness and Descriptiveness of Task Trees Generated from Website Usage Traces	84
<i>Patrick Harms</i>	
Optimizing Performance of SDL Systems.	100
<i>Mihal Brumbulli and Emmanuel Gaudin</i>	
Evolving the ETSI Test Description Language	116
<i>Philip Makedonski, Gusztáv Adamis, Martti Käärik, Finn Kristoffersen, and Xavier Zeitoun</i>	
Object-Oriented Operational Semantics	132
<i>Andreas Prinz, Birger Møller-Pedersen, and Joachim Fischer</i>	
Model Driven Upgrade Campaign Generation for Highly Available Systems.	148
<i>Oussama Jebbar, Margarete Sackmann, Ferhat Khendek, and Maria Toeroe</i>	
Model-Driven Approach to the Optimal Configuration of Time-Triggered Flows in a TTEthernet Network	164
<i>Sofiene Beji, Abdelouahed Gherbi, John Mullins, and Pierre-Emmanuel Hladik</i>	

Feature Location Through the Combination of Run-Time Architecture Models and Information Retrieval	180
<i>Lorena Arcega, Jaime Font, Øystein Haugen, and Carlos Cetina</i>	
Exchanging the Target-Language in Existing, Non-Metamodel-Based Compilers	196
<i>Dorian Weber, Markus Scheidgen, and Joachim Fischer</i>	
Towards Rule-Based Detection of Design Patterns in Model Transformations	211
<i>Chihab eddine Mokaddem, Houari Sahraoui, and Eugene Syriani</i>	
Modular Solutions to Common Design Problems Using Activities and the Interface-Modular Method.	226
<i>Urooj Fatima and Rolv Bræk</i>	
Author Index	243

System Analysis and Modeling. Technology-Specific
Aspects of Models

9th International Conference, SAM 2016, Saint-Melo,
France, October 3-4, 2016. Proceedings

Jens, G.; Herbold, S. (Eds.)

2016, X, 243 p. 99 illus., Softcover

ISBN: 978-3-319-46612-5