

Contents

Multi- and Many Models

Hierarchical Clustering of Metamodels for Comparative Analysis and Visualization	3
<i>Önder Babur, Loek Cleophas, and Mark van den Brand</i>	
Advanced Local Checking of Global Consistency in Heterogeneous Multimodeling	19
<i>Harald König and Zinovy Diskin</i>	
Supporting the Linked Data Approach to Maintain Coherence Across Rich EMF Models	36
<i>Jad El-Khoury, Cecilia Ekelin, and Christian Ekholm</i>	
Stress-Testing Centralised Model Stores	48
<i>Antonio Garcia-Dominguez, Konstantinos Barmpis, Dimitrios S. Kolovos, Ran Wei, and Richard F. Paige</i>	

Language Engineering

Compositional Language Engineering Using Generated, Extensible, Static Type-Safe Visitors	67
<i>Robert Heim, Pedram Mir Seyed Nazari, Bernhard Rumpe, and Andreas Wortmann</i>	
Demystifying Ontological Classification in Language Engineering.	83
<i>Colin Atkinson and Thomas Kühne</i>	
Example-Based Generation of Graphical Modelling Environments.	101
<i>Jesús J. López-Fernández, Antonio Garmendia, Esther Guerra, and Juan de Lara</i>	

UML and Meta-modeling

Associations in MDE: A Concern-Oriented, Reusable Solution	121
<i>Céline Bensoussan, Matthias Schöttle, and Jörg Kienzle</i>	
Automated Metamodel/Model Co-evolution Using a Multi-objective Optimization Approach	138
<i>Wael Kessentini, Houari Sahraoui, and Manuel Wimmer</i>	

Enabling OCL and fUML Integration by Transformation	156
<i>Massimo Tisi, Frédéric Jouault, Zied Saidi, and Jérôme Delatour</i>	
Isolating and Reusing Template Instances in UML	173
<i>Mathieu Allon, Gilles Vanwormhoudt, Bernard Carré, and Olivier Caron</i>	
Experience Reports and Case Studies	
MBF4CR: A Model-Based Framework for Supporting an Automated Cancer Registry System	191
<i>Shuai Wang, Hong Lu, Tao Yue, Shaukat Ali, and Jan Nygård</i>	
Metamodeling vs Metaprogramming: A Case Study on Developing Client Libraries for REST APIs	205
<i>Markus Scheidgen, Sven Efftinge, and Frederik Marticke</i>	
Experiences with Model-Driven Engineering in Neurorobotics	217
<i>Georg Hinkel, Oliver Denninger, Sebastian Krach, and Henning Groenda</i>	
Variability and Uncertainty	
Supporting Variability Exploration and Resolution During Model Migration . . .	231
<i>Davide Di Ruscio, Juergen Ettlstorfer, Ludovico Iovino, Alfonso Pierantonio, and Wieland Schwinger</i>	
Understanding Uncertainty in Cyber-Physical Systems: A Conceptual Model	247
<i>Man Zhang, Bran Selic, Shaukat Ali, Tao Yue, Oscar Okariz, and Roland Norgren</i>	
Author Index	265



<http://www.springer.com/978-3-319-42060-8>

Modelling Foundations and Applications
12th European Conference, ECMFA 2016, Held as Part
of STAF 2016, Vienna, Austria, July 6-7, 2016,
Proceedings
Wąsowski, A.; Lönn, H. (Eds.)
2016, XVIII, 265 p. 123 illus., Softcover
ISBN: 978-3-319-42060-8