

Contents

Model Transformation Languages

| | |
|--|----|
| A Domain Specific Transformation Language to Bridge Concrete and Abstract Syntax | 3 |
| <i>Adolfo Sánchez-Barbudo Herrera, Edward D. Willink, and Richard F. Paige</i> | |
| Model Transformation with Immutable Data. | 19 |
| <i>Paul Klint and Tijs van der Storm</i> | |
| EMG: A Domain-Specific Transformation Language for Synthetic Model Generation | 36 |
| <i>Saheed Popoola, Dimitrios S. Kolovos, and Horacio Hoyos Rodriguez</i> | |

Model Transformation Tools

| | |
|--|----|
| Translatability and Translation of Updated Views in ModelJoin | 55 |
| <i>Erik Burger and Oliver Schneider</i> | |
| Using ATL Transformation Services in the MDEForge Collaborative Modeling Platform | 70 |
| <i>Juri Di Rocco, Davide Di Ruscio, Alfonso Pierantonio, Jesús Sánchez Cuadrado, Juan de Lara, and Esther Guerra</i> | |
| Search-Based Model Transformations with MOMoT | 79 |
| <i>Martin Fleck, Javier Troya, and Manuel Wimmer</i> | |

Developing Model Transformations

| | |
|--|-----|
| Extending Model Synchronization Results from Triple Graph Grammars to Multiple Models | 91 |
| <i>Frank Trollmann and Sahin Albayrak</i> | |
| Correct Reuse of Transformations is Hard to Guarantee | 107 |
| <i>Rick Salay, Steffen Zschaler, and Marsha Chechik</i> | |
| Requirements Engineering in Model-Transformation Development: An Interview-Based Study | 123 |
| <i>Sobhan Yassipour Tehrani, Steffen Zschaler, and Kevin Lano</i> | |

Applications of Model Transformations

GECCO: A Generator Composition Approach for Aspect-Oriented DSLs 141
Reiner Jung, Robert Heinrich, and Wilhelm Hasselbring

Industrial Software Rejuvenation Using Open-Source Parsers 157
A.J. Mooij, M.M. Joy, G. Eggen, P. Janson, and A. Rădulescu

**Automatically Deriving the Specification of Model Editing Operations from
Meta-Models** 173
Timo Kehrer, Gabriele Taentzer, Michaela Rindt, and Udo Kelter

Looking Ahead

Clone Detection for Graph-Based Model Transformation Languages 191
Daniel Strüßer, Jennifer Plöger, and Vlad Acrețoaie

Author Index 207

Theory and Practice of Model Transformations
9th International Conference, ICMT 2016, Held as Part
of STAF 2016, Vienna, Austria, July 4-5, 2016,
Proceedings
Van Gorp, P.; Engels, G. (Eds.)
2016, XIV, 207 p. 66 illus., Softcover
ISBN: 978-3-319-42063-9