

Contents

Towards OntoUML for Software Engineering: Transformation of Anti-rigid Sortal Types into Relational Databases.	1
<i>Zdeněk Rybala and Robert Pergl</i>	
Automatic Generation of Ecore Models for Testing ATL Transformations . . .	16
<i>Jesús M. Almendros-Jiménez and Antonio Becerra-Terón</i>	
Towards a Methodological Tool Support for Modeling Security-Oriented Processes	31
<i>Jacob Geisel, Brahim Hamid, David Gonzales, and Jean-Michel Bruel</i>	
ResilientStore: A Heuristic-Based Data Format Selector for Intermediate Results	42
<i>Rana Faisal Munir, Oscar Romero, Alberto Abelló, Besim Bilalli, Maik Thiele, and Wolfgang Lehner</i>	
Bulk-Loading xBR ⁺ -trees	57
<i>George Roumelis, Michael Vassilakopoulos, Antonio Corral, and Yannis Manolopoulos</i>	
A Meta-advisor Repository for Database Physical Design.	72
<i>Abdelkader Ouared, Yassine Ouhammou, and Amine Roukh</i>	
Linked Service Selection Using the Skyline Algorithm	88
<i>Mahdi Bennara, Michael Mrissa, and Youssef Amghar</i>	
Toward Multi Criteria Optimization of Business Processes Design	98
<i>Nadir Mahammed and Sidi Mohamed Benslimane</i>	
Semantic-Enabled and Hypermedia-Driven Linked Service Discovery	108
<i>Mahdi Bennara, Michael Mrissa, and Youssef Amghar</i>	
Multi-level Networked Knowledge Base: DDL-Reasoning	118
<i>Sihem Klai, Antoine Zimmermann, and Med Tarek Khadir</i>	
Maintenance of Profile Matchings in Knowledge Bases	132
<i>Jorge Martinez-Gil, Lorena Paoletti, Gábor Rácz, Attila Sali, and Klaus-Dieter Schewe</i>	
Distributed Reasoning for Mapped Ontologies Using Rewriting Logic.	142
<i>Mustapha Bourahla</i>	

Towards a Formal Validation of ETL Patterns Behaviour.	156
<i>Bruno Oliveira, Orlando Belo, and Nuno Macedo</i>	
Building OLAP Cubes from Columnar NoSQL Data Warehouses	166
<i>Khaled Dehdouh</i>	
On Representing Interval Measures by Means of Functions	180
<i>Gastón Bakkalian, Christian Koncilia, and Robert Wrembel</i>	
Automated Data Pre-processing via Meta-learning.	194
<i>Besim Bilalli, Alberto Abelló, Tomàs Aluja-Banet, and Robert Wrembel</i>	
Individual Relocation: A Fuzzy Classification Based Approach.	209
<i>Djellal Asma and Boufaïda Zizette</i>	
Incremental Approach for Detecting Arbitrary and Embedded Cluster Structures.	220
<i>Keshab Nath, Swarup Roy, and Sukumar Nandi</i>	
Annotation of Engineering Models by References to Domain Ontologies	234
<i>Kahina Hacid and Yamine Ait-Ameur</i>	
Unifying Warehoused Data with Linked Open Data: A Conceptual Modeling Solution	245
<i>Franck Ravat and Jie fu Song</i>	
Correct-by-Construction Evolution of Realisable Conversation Protocols	260
<i>Sarah Benyagoub, Meriem Ouederni, Neeraj Kumar Singh, and Yamine Ait-Ameur</i>	
White-Box Modernization of Legacy Applications.	274
<i>Kelly Garcés, Rubby Casallas, Camilo Álvarez, Edgar Sandoval, Alejandro Salamanca, Fabián Melo, and Juan Manuel Soto</i>	
Exploring Quality-Aware Architectural Transformations at Run-Time: The ENIA Case	288
<i>Javier Criado, Silverio Martínez-Fernández, David Ameller, Luis Iribarne, and Nicolás Padilla</i>	
A Credibility and Classification-Based Approach for Opinion Analysis in Social Networks	303
<i>Lobna Azaza, Fatima Zohra Ennaji, Zakaria Maamar, Abdelaziz El Fazziki, Marinette Savonnet, Mohamed Sadgal, Eric Leclercq, Idir Amine Amarouche, and Djamal Benslimane</i>	

Engineering Applications Over Social and Open Data with Domain-Specific Languages	317
<i>Ángel Mora Segura and Juan de Lara</i>	
Towards Culture-Sensitive Extensions of CRISs: Gender-Based Researcher Evaluation	332
<i>Miloš Savić, Mirjana Ivanović, Miloš Radovanović, and Bojana Dimić Surla</i>	
Word Similarity Based on Domain Graph	346
<i>Fumito Konaka and Takao Miura</i>	
Author Index	359

Model and Data Engineering

6th International Conference, MEDI 2016, Almería,
Spain, September 21-23, 2016, Proceedings

Bellatreche, L.; Pastor, Ó.; Almendros Jiménez, J.M.;
Ait-Ameur, Y. (Eds.)

2016, XVII, 360 p. 121 illus., Softcover

ISBN: 978-3-319-45546-4