

# Contents

## Invited Papers

An Engineering Approach for the Design of Hybrid Modelling Methods . . . . .	3
<i>Dimitris Karagiannis and Margit Schwab</i>	
Requirements Engineering for Emergent Application Software . . . . .	18
<i>Pericles Loucopoulos</i>	
Blog Preservation: Current Challenges and a New Paradigm. . . . .	29
<i>Vangelis Banos, Nikos Baltas, and Yannis Manolopoulos</i>	

## Databases and Information Systems Integration

Social Information Systems: Agility Without Chaos . . . . .	55
<i>Marc Quast, Mark J. Handel, Jean-Marie Favre, and Jacky Estublier</i>	
Finding Semi-Automatically a Greatest Common Model Thanks to Formal Concept Analysis . . . . .	72
<i>Bastien Amar, Abdoukader Osman Guédi, André Miralles, Marianne Huchard, Thérèse Libourel, and Clémentine Nebut</i>	
Advanced Product Lifecycle Management by Introducing Domain-Specific Service Buses . . . . .	92
<i>Stefan Silcher, Max Dinkelmann, Jorge Minguez, and Bernhard Mitschang</i>	
Matcher Composition Methods for Automatic Schema Matching . . . . .	108
<i>Daniel Nikovski, Alan Esenther, Xiang Ye, Mitsuteru Shiba, and Shigenobu Takayama</i>	
An SNMP Filesystem in Userspace . . . . .	124
<i>Rui Pedro Lopes, Tiago Pedrosa, and Luis Pires</i>	
Exploring Similarity Relations According to Different Contexts in Mining Generalized Association Rules . . . . .	137
<i>Rodrigo Moura Juvenil Ayres and Marilde Terezinha Prado Santos</i>	

**Artificial Intelligence and Decision Support Systems**

Models for Human Computer Interaction in Scheduling Applications . . .	155
<i>Anna Prenzel and Georg Ringwelski</i>	
Combining Learning Algorithms: An Approach to Markov Decision Processes. . . . .	172
<i>Richardson Ribeiro, Fábio Favarim, Marco A. C. Barbosa, Alessandro L. Koerich, and Fabrício Enembreck</i>	

**Information Systems Analysis and Specification**

Building Domain-Specific Modeling Languages for Frameworks . . . . .	191
<i>Matheus C. Viana, Rosângela A. D. Penteado, and Antônio F. do Prado</i>	
Locating and Correcting Software Faults in Executable Code Slices via Evolutionary Mutation Testing . . . . .	207
<i>Pantelis Stylianos Yiasemis and Andreas S. Andreou</i>	
Towards a Leaner Evaluation Process: Application to Error Correction Systems . . . . .	228
<i>Arnaud Renard, Sylvie Calabretto, and Batrice Rumpler</i>	
Using Information Visualization and Text Mining to Facilitate the Conduction of Systematic Literature Reviews . . . . .	243
<i>Sandra Fabbri, Elis Hernandez, Andre Di Thommazo, Anderson Belgamo, Augusto Zamboni, and Cleiton Silva</i>	
Accelerating Crosscutting Framework Reuse Using a Model-Based Approach . . . . .	257
<i>Thiago Gottardi, Oscar Pastor López, and Valter Vieira de Camargo</i>	
Large-Scale Enterprise Systems: Changes and Impacts . . . . .	274
<i>Wen Chen, Asif Iqbal, Akbar Abdrakhmanov, Jay Parlar, Chris George, Mark Lawford, Tom Maibaum, and Alan Wassyng</i>	

**Software Agents and Internet Computing**

Bringing Diversity to Recommendation Lists: An Analysis of the Placement of Diverse Items . . . . .	293
<i>Mouzhi Ge, Dietmar Jannach, and Fatih Gedikli</i>	

Time Efficiency of Point-of-Sale Payment Methods: Empirical Results for Cash, Cards and Mobile Payments . . . . .	306
<i>Michał Polasik, Jakub Górka, Gracjan Wilczewski, Janusz Kunkowski, Karolina Przenajkowska, and Natalia Tetkowska</i>	

## Human-Computer Interaction

User-Centric Data Integration with the MappingAssistant . . . . .	323
<i>Heiner Stuckenschmidt, Jan Noessner, and Faraz Fallahi</i>	
Introducing New Technology in Educational Contexts: Schools as Organizations . . . . .	340
<i>Elaine C. S. Hayashi, M. Cecília Martins, and M. Cecília C. Baranauskas</i>	
Values and Cultural Aspects in Design: Artifacts for Making Them Explicit in Design Activities . . . . .	358
<i>Roberto Pereira, Samuel Bastos Buchdid, and M. Cecília C. Baranauskas</i>	
Composing Interface Demonstrations Automatically from Usage Logs. . . . .	376
<i>Tamara Babaian and Wendy Lucas</i>	
Measuring Users' Emotions with a Component-Based Approach . . . . .	393
<i>Rogério Aparecido Campanari Xavier and Vânia Paula de Almeida Neris</i>	
Pragmatic Aspects of Collaborative Problem Solving: Towards a Framework for Conceptualizing Dynamic Knowledge . . . . .	410
<i>Rodrigo Bonacin, Heiko Hornung, Julio Cesar Dos Reis, Roberto Pereira, and M. Cecília C. Baranauskas</i>	

## Enterprise Architecture

Formalizing Meta Models with FDMM: The ADOxx Case . . . . .	429
<i>Hans-Georg Fill, Timothy Redmond, and Dimitris Karagiannis</i>	

The Enterprise Architecture Body of Knowledge as an Evolving Discipline . . . . .	452
<i>Hadi Kandjani and Peter Bernus</i>	
A Literature Review of Business/IT Alignment Strategies . . . . .	471
<i>Lerina Aversano, Carmine Grasso, and Maria Tortorella</i>	
<b>Author Index</b> . . . . .	489

Enterprise Information Systems

14th International Conference, ICEIS 2012, Wroclaw,  
Poland, June 28 - July 1, 2012, Revised Selected Papers

Cordeiro, J.; Maciaszek, L.A.; Filipe, J. (Eds.)

2013, XX, 490 p. 171 illus., Softcover

ISBN: 978-3-642-40653-9