

# Contents

<b>1</b>	<b>Mediators, Concepts and Practice</b> .....	<b>1</b>
	Gio Wiederhold	
<b>2</b>	<b>A Combination Framework for Exploiting the Symbiotic Aspects of Process and Operational Data in Business Process Optimization</b> .....	<b>29</b>
	Sylvia Radeschütz, Holger Schwarz, Marko Vrhovnik, and Bernhard Mitschang	
<b>3</b>	<b>Efficient Range Query Processing on Complicated Uncertain Data</b> .....	<b>51</b>
	Andrew Knight, Qi Yu, and Manjeet Rege	
<b>4</b>	<b>Invariant Object Representation Based on Inverse Pyramidal Decomposition and Modified Mellin-Fourier Transform</b> .....	<b>73</b>
	R. Kountchev, S. Rubin, M. Milanova, and R. Kountcheva	
<b>5</b>	<b>Model Checking State Machines Using Object Diagrams</b> .....	<b>95</b>
	Thouraya Bouabana-Tebibel	
<b>6</b>	<b>Measuring Stability of Feature Selection Techniques on Real-World Software Datasets</b> .....	<b>113</b>
	Huanjing Wang, Taghi M. Khoshgoftaar, and Randall Wald	
<b>7</b>	<b>Analysis and Design: Towards Large-Scale Reuse and Integration of Web User Interface Components</b> .....	<b>133</b>
	Hao Han, Peng Gao, Yinxing Xue, Chuanqi Tao, and Keizo Oyama	
<b>8</b>	<b>Which Ranking for Effective Keyword Search Query over RDF Graphs?</b> .....	<b>163</b>
	Roberto De Virgilio	

**9 ReadFast: Structural Information Retrieval from Biomedical Big Text by Natural Language Processing** ..... 187  
Michael Gubanov, Linda Shapiro, and Anna Pyayt

**10 Multiple Criteria Decision Support for Software Reuse: An Industrial Case Study** ..... 201  
Alejandra Yepez Lopez and Nan Niu

**11 Using Local Principal Components to Explore Relationships Between Heterogeneous Omics Datasets** ..... 221  
Noor Alaydie and Farshad Fotouhi

**12 Towards Collaborative Forensics** ..... 237  
Mike Mabey and Gail-Joon Ahn

**13 From Increased Availability to Increased Productivity: How Researchers Benefit from Online Resources**..... 261  
Joe Strathern, Samer Awadh, Samir Chokshi, Omar Addam, Omar Zarour, M. Ozair Shafiq, Orkun Öztürk, Omair Shafiq, Jamal Jida, and Reda Alhajj

**14 Integration of Semantics Information and Clustering in Binary-Class Classification for Handling Imbalanced Multimedia Data** ..... 281  
Chao Chen and Mei-Ling Shyu

**Index** ..... 299



<http://www.springer.com/978-3-7091-1537-4>

Information Reuse and Integration in Academia and  
Industry

Özyer, T.; Kianmehr, K.; Tan, M.; Zeng, J. (Eds.)

2013, XII, 306 p. 103 illus., Hardcover

ISBN: 978-3-7091-1537-4