## **Contents**

Janis Bubenko, Colette Rolland, and Arne Sølvberg	1
Evolution of the CAISE Author Community: A Social Network Analysis	15
A Natural Language Approach for Requirements  Engineering	35
Conceptual Modeling and Natural Language Analysis	57
The Three Dimensions of Requirements Engineering	63
The Three Dimensions of Requirements Engineering: 20 Years Later Klaus Pohl and Nelufar Ulfat-Bunyadi	81
Towards a Deeper Understanding of Quality in Requirements Engineering John Krogstie, Odd Ivar Lindland, and Guttorm Sindre	89
20 Years of Quality of Models	103
MetaEdit+ A Fully Configurable Multi-User and Multi-Tool CASE and CAME Environment Steven Kelly, Kalle Lyytinen, and Matti Rossi	109
MetaEdit+ at the Age of 20	131

ix

x Contents

OO-METHOD: An OO Software Production Environment Combining Conventional and Formal Methods Oscar Pastor, Emilio Insfrán, Vicente Pelechano, José Romero, and José Merseguer	139
The Conceptual Model Is The Code. Why Not?	153
Architecture and Quality in Data Warehouses	161
Data Warehouse Architecture and Quality: Impact and Open Challenges  Matthias Jarke, Manfred A. Jeusfeld, Christoph J. Quix, Panos Vassiliadis, and Yannis Vassiliou	183
Time Constraints in Workflow Systems	191
Workflow Time Management Revisited	207
Adaptive and Dynamic Service Composition in <i>eFlow</i>	215
<b>Promises and Failures of Research in Dynamic Service Composition</b> Fabio Casati	235
On Structured Workflow Modelling	241
The Structured Phase of Concurrency  Artem Polyvyanyy and Christoph Bussler	257
A Requirements-Driven Development Methodology	265
The Evolution of Tropos	28
The P2P Approach to Interorganizational Workflows	289
Reflections on a Decade of Interorganizational Workflow Research Wil M.P. van der Aalst and Mathias Weske	307

Database Schema Matching Using Machine Learning	
with Feature Selection	315
Automatch Revisited	331
Data Integration under Integrity Constraints  Andrea Calì, Diego Calvanese, Giuseppe De Giacomo, and  Maurizio Lenzerini	335
Rewrite and Conquer: Dealing with Integrity Constraints in  Data Integration  Andrea Calì, Diego Calvanese, Giuseppe De Giacomo, and  Maurizio Lenzerini	353
Automated Reasoning on Feature Models	361
Automated Analysis of Stateful Feature Models	375
Change Patterns and Change Support Features in Process-Aware Information Systems Barbara Weber, Stefanie Rinderle, and Manfred Reichert	381
Process Change Patterns: Recent Research, Use Cases, Research Directions  Manfred Reichert and Barbara Weber	397
Measuring Similarity between Business Process Models	405
A Short Survey on Process Model Similarity  Remco M. Dijkman, Boudewijn F. van Dongen, Marlon Dumas, Luciano García-Bañuelos, Matthias Kunze, Henrik Leopold, Jan Mendling, Reina Uba, Matthias Weidlich, Mathias Weske, and Zhiqiang Yan	421
How Much Language Is Enough? Theoretical and Practical Use of the Business Process Modeling Notation Michael zur Muehlen and Jan Recker	429
We Still Don't Know How Much BPMN Is Enough, But We Are Getting Closer  Michael zur Muehlen and Jan Recker	445
The Future of CAiSE	453