

Contents

| | |
|---|------------|
| Preface | vii |
| <i>Stefan Strecker and Jürgen Jung</i> | |
| Birthday Greetings | xi |
| <i>Alan Kay</i> | |
| 1 Theorieverständnisse in Wirtschaftsinformatik und Betriebswirtschaftslehre | 1 |
| <i>Stephan Zelewski, Naciye Akca und Malte L. Peters</i> | |
| 2 Academic Publishing and Academic Ethos – Looking Back to the Future | 57 |
| <i>Stefan Klein</i> | |
| 3 Moral Responsibility in Conceptual Modeling | 81 |
| <i>Alexander C. Bock and Jens Gulden</i> | |
| 4 Conceptual Modeling: A Still Unfinished Saga | 103 |
| <i>Heinrich C. Mayr and Bernhard Thalheim</i> | |
| 5 On Views, Diagrams, Programs, Animations, and Other Models | 123 |
| <i>Henderik A. Proper and Giancarlo Guizzardi</i> | |
| 6 State Consistency – A Matter of Conceptual Modeling? | 139 |
| <i>Elmar J. Sinz</i> | |
| 7 Epistemologically Motivated Modeling of Computer-Integrated Systems | 149 |
| <i>Peter Fettke and Wolfgang Reisig</i> | |
| 8 Executable Multi-Level Modelling: Foundations, Methods and Tools | 157 |
| <i>Tony Clark</i> | |
| 9 Projective Multi-Level Enterprise Architecture Modeling with MEMO | 173 |
| <i>Colin Atkinson, Christian Tunjic and Arne Lange</i> | |
| 10 The Product Perspective in Multi-Perspective Enterprise Modelling: What Information about Products is Relevant for Enterprise Models? | 187 |
| <i>Kurt Sandkuhl</i> | |

| | |
|--|------------|
| 11 Bridging the Mental and the Physical World: Conceptual Modeling and Augmented Reality | 197 |
| <i>Hans-Georg Fill and Fabian Muff</i> | |
| 12 Towards Tailored Support for Design Practices in Collaborative Modeling Sessions | 213 |
| <i>Tobias Kautz and Robert Winter</i> | |
| 13 Omnichannel Processes in Retailing SMEs: Digitalisation in a Furniture Company | 233 |
| <i>Jörg Becker, Paul Kruse, and Andreas Hermann</i> | |
| 14 Towards Reference Models with Conformance Relations for Structure | 247 |
| <i>Marco Konersmann, Judith Michael and Bernhard Rumpe</i> | |
| 15 Enterprise Use Cases Combining Knowledge Graphs and Natural Language Processing | 271 |
| <i>Phillip Schneider, Tim Schopf, Juraj Vladika and Florian Matthes</i> | |
| 16 ADOSCRIPT: A DSL for Developing Conceptual Modeling Methods | 287 |
| <i>Dimitris Karagiannis</i> | |
| 17 Model-Driven Development: From Strategy to Code | 309 |
| <i>Oscar Pastor, Rene Noel, Rosa Velasquez and José Ignacio Panach</i> | |
| 18 Die Entdeckung des Plurals für die Programmierung | 325 |
| <i>Friedrich Steimann</i> | |
| 19 Steps Toward Articulating a Work System Perspective that Addresses a Grand Challenge for the IS Discipline | 343 |
| <i>Steven Alter</i> | |
| 20 What a Wonderful Modeling World! Tackling Conceptual Diversity in Enterprise & Information Systems Modeling | 369 |
| <i>Marc Frerichs and Markus Nüttgens</i> | |
| 21 The Process of Detecting Suspicious Communication with Psycholinguistics and Text Mining Techniques | 407 |
| <i>Ewelina Książniak and Witold Abramowicz</i> | |
| 22 The Next Generation of ERP Systems: Problems of Traditional ERP-Systems and the Next Wave of Really Standardized ERP Systems | 427 |
| <i>Reinhard Schütte</i> | |
| 23 Process Management: A Reflection from a Practical Perspective | 453 |
| <i>Stefan Jablonski and Stefan Schönig</i> | |
| List of Contributors | 465 |