

Contents

Regular Papers

Domain Modelling in Bloom: Deciphering How We Teach It.	3
<i>Daria Bogdanova and Monique Snoeck</i>	
Information Security Risk Management	18
<i>Salimeh Dashti, Paolo Giorgini, and Elda Paja</i>	
Using Grounded Theory for Domain Specific Modelling Language Design: Lessons Learned from the Smart Grid Domain	34
<i>Sybren de Kinderen</i>	
Towards Meta Model Provenance: A Goal-Driven Approach to Document the Provenance of Meta Models	49
<i>Sybren de Kinderen, Monika Kaczmarek-Heß, Qin Ma, and Iván S. Razo-Zapata</i>	
Light Touch Identification of Cost/Risk in Complex Socio-Technical Systems	65
<i>Iliada Eleftheriou, Suzanne M. Embury, and Andrew Brass</i>	
The OntoREA© Accounting and Finance Model: A Retroactive DSRM Demonstration Evaluation	81
<i>Christian Fischer-Pauzenberger and Walter S.A. Schwaiger</i>	
Goals, Workflow, and Value: Case Study Experiences with Three Modeling Frameworks	96
<i>Jennifer Horkoff, Imed Hammouda, Juho Lindman, Jamel Debbiche, Martina Freiholtz, Patrik Liao, Stephen Mensah, and Aksel Strömberg</i>	
An Evaluation Framework for Design-Time Context-Adaptation of Process Modelling Languages	112
<i>Jing Hu, Ghazaleh Aghakhani, Faruk Hasić, and Estefanía Serral</i>	
Capability-Driven Digital Service Innovation: Implications from Business Model and Service Process Perspectives	126
<i>Hasan Koç and Kurt Sandkuhl</i>	
Designing Process Architectures for User Engagement with Enterprise Cognitive Systems.	141
<i>Alexei Lapouchnian, Zia Babar, Eric Yu, Allen Chan, and Sebastian Carbajales</i>	

An Analysis of Enterprise Architecture for Federated Environments	156
<i>Niklas Lindström, Björn Nyström, and Jelena Zdravkovic</i>	
From Indicators to Predictive Analytics: A Conceptual Modelling Framework	171
<i>Azadeh Nasiri, Soroosh Nalchigar, Eric Yu, Waqas Ahmed, Robert Wrembel, and Esteban Zimányi</i>	
Product Life-Cycle Assessment in the Realm of Enterprise Modeling	187
<i>Mario Nolte and Monika Kaczmarek-Heß</i>	
Towards Reasoning About Pivoting in Startups and Large Enterprises with i*	203
<i>Vik Pant, Eric Yu, and Albert Tai</i>	
Evolution Models for Information Systems Evolution Steering	221
<i>Jolita Ralyté and Michel Léonard</i>	
Toward GDPR-Compliant Socio-Technical Systems: Modeling Language and Reasoning Framework.	236
<i>Marco Robol, Mattia Salnitri, and Paolo Giorgini</i>	
Development of Capability Driven Development Methodology: Experiences and Recommendations	251
<i>Janis Stirna, Jelena Zdravkovic, Jānis Grabis, and Kurt Sandkuhl</i>	
Management Structure Based Government Enterprise Architecture Framework Adaption in Situ.	267
<i>Meri Katariina Valtonen</i>	
NEXT: Generating Tailored ERP Applications from Ontological Enterprise Models	283
<i>Henk van der Schuur, Erik van de Ven, Rolf de Jong, Dennis Schunselaar, Hajo A. Reijers, Michiel Overeem, Machiel de Graaf, Slinger Jansen, and Sjaak Brinkkemper</i>	
An Integrated Enterprise Modeling Framework Using the RUP/UML Business Use-Case Model and BPMN	299
<i>Yves Wautelet and Stephan Poelmans</i>	

Short Papers

A Method for Effective Use of Enterprise Modelling Techniques in Complex Dynamic Decision Making	319
<i>Souvik Barat, Vinay Kulkarni, Tony Clark, and Balbir Barn</i>	

Streamlining Structured Data Markup and Agile Modelling Methods	331
<i>Ana-Maria Ghiran, Robert Andrei Buchmann, Cristina-Claudia Osman, and Dimitris Karagiannis</i>	
Integrating Local and Global Optimization in Capability Delivery	341
<i>Kurt Sandkuhl</i>	
The Digital Business Architect – Towards Method Support for Digital Innovation and Transformation	352
<i>Matthias Wißotzki and Kurt Sandkuhl</i>	
Author Index	363

The Practice of Enterprise Modeling

10th IFIP WG 8.1. Working Conference, PoEM 2017,

Leuven, Belgium, November 22-24, 2017, Proceedings

Poels, G.; gailly, f.; Serral Asensio, E.; Snoeck, M. (Eds.)

2017, XIII, 363 p. 99 illus., Softcover

ISBN: 978-3-319-70240-7