

# Contents

## Keynote Speech

Listening to and Visualising the Pulse of Our Cities Using Social Media and Call Data Records . . . . .	3
<i>Emanuele Della Valle and Marco Balduini</i>	
The Journey is the Reward - Towards New Paradigms in Web Search. . . . .	15
<i>Harald Sack</i>	

## AKTB Workshop

Quantitative Research in High Frequency Trading for Natural Gas Futures Market . . . . .	29
<i>Saulius Masteika and Mantas Vaitonis</i>	
Preserving Consistency in Domain-Specific Business Processes Through Semantic Representation of Artefacts . . . . .	36
<i>Nikolaos Lagos, Adrian Mos, Jean-Yves Vion-Dury, and Jean-Pierre Chanod</i>	
Decision Model for the Use of the Application for Knowledge Transfer Support in Manufacturing Enterprises . . . . .	48
<i>Justyna Patalas-Maliszewska and Irene Krebs</i>	
Additional Knowledge Based MOF Architecture Layer for UML Models Generation Process. . . . .	56
<i>Ilona Veitaitė and Audrius Lopata</i>	
A Cluster Analysis on the Default Determinants in the European Banking Sector . . . . .	64
<i>Darie Moldovan and Simona Mutu</i>	
Process Optimization and Monitoring Along Big Data Value Chain . . . . .	75
<i>Dalia Kriksciuniene, Virgilijus Sakalauskas, and Balys Kriksciunas</i>	

## BITA Workshop

Means for Building Models to Align Information Systems Support to Specific Application Domains . . . . .	89
<i>Oscar Avila and Virginie Goepp</i>	

Business and IT Alignment in Turbulent Business Environment . . . . .	101
<i>Yuri Zelenkov</i>	
Lightweight Metrics for Enterprise Architecture Analysis . . . . .	113
<i>Prince M. Singh and Marten J. van Sinderen</i>	
Experiences from Selecting a BPM Notation for an Enterprise . . . . .	126
<i>Kurt Sandkuhl and Jörn Wiebring</i>	
Workplace Innovation in Swedish Local Organizations - Technology Aspect. . . . .	139
<i>He Tan, Andrea Resmini, Vladimir Tarasov, and Anders Adlemo</i>	
Cyber-Physical Systems in an Enterprise Context: From Enterprise Model to System Configuration . . . . .	148
<i>Kurt Sandkuhl, Alexander Smirnov, and Nikolay Shilov</i>	
<b>FSFE Workshop</b>	
Improving Document Exchanges in the Supply Chain . . . . .	163
<i>Jamel Eddine Jridi and Guy Lapalme</i>	
Mobile@Old an ADL Solution . . . . .	173
<i>Lucia Rusu, Sergiu Jecan, and Dan Sitar</i>	
Aspect OntoMaven - Aspect-Oriented Ontology Development and Configuration with OntoMaven. . . . .	185
<i>Adrian Paschke and Ralph Schaefermeier</i>	
<b>PTDCS Workshop</b>	
A Rule-Based Approach for Detecting Location Leaks of Short Text Messages . . . . .	199
<i>Hoang-Quoc Nguyen-Son, Minh-Triet Tran, Hiroshi Yoshiura, Noboru Sonehara, and Isao Echizen</i>	
Formal Reasoning About Privacy and Trust in Loyalty Systems . . . . .	211
<i>Koen Decroix, Jorn Lapon, Laurens Lemaire, Bart De Decker, and Vincent Naessens</i>	
DPIP: A Demand Response Privacy Preserving Interaction Protocol: For Trusted Third Party Involvement. . . . .	224
<i>Markus Karwe and Günter Müller</i>	
Smart Privacy Visor: Bridging the Privacy Gap . . . . .	235
<i>Adrian Dabrowski, Katharina Krombholz, Edgar R. Weippl, and Isao Echizen</i>	

De-anonymising Social Network Posts by Linking with Résumé. . . . .	248
<i>Yohei Ogawa, Eina Hashimoto, Masatsugu Ichino, Isao Echizen, and Hiroshi Yoshiura</i>	
A Conceptualization of Accountability as a Privacy Principle . . . . .	261
<i>Christian Zimmermann and Johana Cabinakova</i>	
Personal Data as Payment Method in SNS and Users' Concerning Price Sensitivity - A Survey . . . . .	273
<i>Claus-Georg Nolte</i>	
<b>DBpedia Community Meeting</b>	
RDFa Live Browser Extension: Faceted Presentation and Tooltip Navigation over Linked Data on the Web . . . . .	285
<i>Andre Carlomagno Rocha and Cassio V.S. Prazeres</i>	
Optimized Processing of Subscriptions to DBpedia Live . . . . .	293
<i>Kia Teymourian, Alexandru Todor, Wojciech Łukasiewicz, and Adrian Paschke</i>	
Modelling the Quality of Attributes in Wikipedia Infoboxes . . . . .	308
<i>Krzysztof Węcel and Włodzimierz Lewoniewski</i>	
DBpedia in the Art Market. . . . .	321
<i>Dominik Filipiak and Agata Filipowska</i>	
<b>Author Index</b> . . . . .	333

Business Information Systems Workshops

BIS 2015 International Workshops, Poznań, Poland,

June 24-26, 2015, Revised Papers

Abramowicz, W. (Ed.)

2015, XIX, 333 p. 129 illus., 67 illus. in color., Softcover

ISBN: 978-3-319-26761-6