

Contents

International Workshop on Enterprise Integration, Interoperability and Networking (EI2N) 2016

Service Oriented Collaborative Simulation in Concept and Design Stages: Framework and Enabling Technologies	5
<i>Qing Li, Dachuan Li, and Zhichao Cao</i>	
Smart Manufacturing Standardization: Reference Model and Standards Framework	16
<i>Qing Li, Hongzhen Jiang, Qianlin Tang, Yaotang Chen, Jun Li, and Jian Zhou</i>	
Integrated Performance Measurement for Optimization Networks in Smart Enterprises	26
<i>Viktoria A. Hauder, Andreas Beham, and Stefan Wagner</i>	
Interoperability Standards for Seamless Communication: An Analysis of Domain-Specific Initiatives.	36
<i>Claudia-Melania Chituc</i>	
Using Formal Measures to Improve Maturity Model Assessment for Conceptual Interoperability	47
<i>Gabriel S.S. Leal, Wided Guédria, Hervé Panetto, Erik Proper, and Mario Lezoche</i>	
An Integrated Collaborative Approach for Micro Devices Assembly	57
<i>J. Cecil and Sadiq Albuhamood</i>	
Designing an Ontology for Agent-Based Planning and Control Tasks in Semiconductor Supply Chains.	65
<i>Raphael Herding and Lars Mönch</i>	
Big Data Harmonization for Intelligent Mobility: A Dynamic Toll-Charging Scenario	76
<i>Paulo Figueiras, Guilherme Guerreiro, Ruben Costa, Luka Bradesko, Nenad Stojanovic, and Ricardo Jardim-Gonçalves</i>	
Selective Redundancy in Network-as-a-Service: Differentiated QoS in Multi-tenant Clouds.	87
<i>Pradeeban Kathiravelu and Luís Veiga</i>	

Program Synthesis for Configuring Collaborative Solutions in Feature Models	98
<i>Lina Ochoa and Oscar González-Rojas</i>	

Fact Based Modeling (FBM) 2016

Comparative Analysis of Open-edi and Cloud Computing Architectures Using Fact Based Modeling	111
<i>Baba Piprani</i>	
An FBM Grammar of Dimensional Modelling	122
<i>Baba Piprani</i>	
The Application of UML Association End Multiplicities for Conceptual Modeling	130
<i>Peter Bollen</i>	
The Need for a OO Modeling Methodology	143
<i>Peter Bollen</i>	
The Rule Configurator: A Tool to Execute a Model and Play with the Rules	155
<i>Inge Lemmens and Jean-Paul Koster</i>	
A Durable Architecture as a Foundation for Regulation Based Services	164
<i>Jos Rozendaal and Sjir Nijssen</i>	
A Proposal for a Regulations Based Services Language	174
<i>Jos Rozendaal and Sjir Nijssen</i>	

Industry Case Studies Program (ICSP) 2016

Big Data Concept to Address Performance Aware Infrastructure Monitoring Challenge for Hybrid Cloud	185
<i>Prabal Mahanta and Himanshu Pandey</i>	
Enterprise Interoperability as Framework for Project Knowledge Management	190
<i>Georg Weichhart, Biljana Roljic, Andreas Beham, Matthias Frühwirth, Robert Steringer, Ulrich Neissl, Vincent Grote, Johannes Karder, and Helmut Zörrer</i>	
Environment Aware Resource Allocation with Intelligent Provisioning Workflow Framework Concept	200
<i>Prabal Mahanta, Sandeep Manjunath, and Akhilesh Kumar</i>	

Development of a Virtual Reality Based Simulation Environment for Orthopedic Surgical Training.	206
<i>J. Cecil, M.B. Bharathi Raj Kumar, Avinash Gupta, M. Pirela-Cruz, E. Chan-Tin, and J. Yu</i>	

**International Workshop on Methods, Evaluation, Tools and Applications
for the Creation and Consumption of Structured Data for the e-Society
(Meta4eS) 2016**

Artificial Neural Network for Supporting Medical Decision Making: A Decision Model and Notation Approach to Spondylolisthesis and Disk Hernia	217
<i>Lorenzo Servadei, Rainer Schmidt, and Florian Bär</i>	

KSD: An Ontology-Driven Yet Semantically Transparent Application Development Tool.	228
<i>Dibyanshu Jaiswal and Sounak Dey</i>	

Using Extended Stopwords Lists to Improve the Quality of Academic Abstracts Clustering	236
<i>Svetlana Popova and Vera Danilova</i>	

Towards Ontology-Based Safety Information Management in the Aviation Industry	242
<i>Bogdan Kostov, Jana Ahmad, and Petr Křemen</i>	

CASD: A Framework for Context Aware Service Discovery and Selection. . .	252
<i>Altaf Hussain, Wendy MacCaull, and Yngve Lamo</i>	

A Case Study on Linked Data for University Courses	265
<i>Barnabás Szász, Rita Fleiner, and András Micsik</i>	

A Generic Framework for Adding Semantics to Digital Libraries	277
<i>Muhammad Ahtisham Aslam, Naif Radi Aljohani, Rabeeh Ayaz Abbasi, Miltiadis D. Lytras, and Muhammad Ashad Kabir</i>	

Dynamic User Interface Architecture for Mobile Applications Based on Mobile Agents	282
<i>Nikola Mitrović, Carlos Bobed, and Eduardo Mena</i>	

Learning by Tracking - Distributed Systems in Education	293
<i>Michael Höding</i>	

OnTheMove Academy (OTMA) 2016

Exploring On-Demand Composition of Pervasive Collaborations in Smart Computing Environments	305
<i>Markus Wutzler</i>	

Employing Aviation-Specific Contexts for Business Rules and Business Vocabularies Management in SemNOTAM	315
<i>Felix Burgstaller</i>	
Characterization of Dynamic Resource Consumption for Interference-Aware Consolidation.	326
<i>Markus Hähnel</i>	
Exploring Appraisals and Rewards in the Context of Business Process Orientation	333
<i>Aygun Shafagatova</i>	
Author Index	341

On the Move to Meaningful Internet Systems: OTM 2016
Workshops

Confederated International Workshops: EI2N, FBM,
ICSP, Meta4eS, and OTMA 2016, Rhodes, Greece,
October 24–28, 2016, Revised Selected Papers
Ciuciu, I.; Debruyne, C.; Panetto, H.; Weichhart, G.;
Bollen, P.; Fensel, A.; Vidal, M.-E. (Eds.)

2017, XXIV, 342 p. 136 illus., Softcover

ISBN: 978-3-319-55960-5