

BMSD'17 Technical Program

July 3	July 4	July 5
	08:30 Welcome Desk Registration	
	09:00 Keynote Lecture Prof. Dr. Norbert Gronau <i>Chair: Prof. Dr. Oscar Pastor</i>	09:00 Welcome Desk Registration
	10:00 BMSD'17 Session 2: Full Papers Enterp. Architectures & Software Design	09:30 Keynote Lecture Prof. Dr. Alexander Verbraeck <i>Chair: Prof. Dr. Roy Oberhauser</i>
	11:00 Coffee-Break	10:30 BMSD'17 Session 9: Short Papers Business Process Modeling
	11:15 BMSD'17 Session 3: Full Papers Knowledge Mngmt. & Bus. Processes: From Strategies to Execution	10:50 BMSD'17 Session 10: Short Papers Distributed Systems
	12:45 Lunch	11:20 Coffee-Break
	13:45 BMSD'17 Session 4: Full Papers Data Mngmt.: Security & Privacy	11:45 BMSD'17 Session 11: Full Papers BP & IS: Development & Techniques
14:00 Welcome Desk Registration	14:45 BMSD'17 Session 5: Full Papers Distributed Computing	12:45 Lunch
14:30 Opening Session	15:15 Poster Session + Coffee-Break	13:45 BMSD'17 Session 12: Full Papers Web-Oriented Architectures
14:45 Panel <i>Chair: Dr. Boris Shishkov</i>	15:45 BMSD'17 Session 6: Full Papers Business Modeling & Semiotics	14:15 BMSD'17 Session 13: Short Papers Business Processes, IT, and Advanced Applications
15:45 Coffee-Break	16:15 BMSD'17 Session 7: Short Papers Requirements Analysis & Enterpr. Models	Poster Session
16:00 Keynote Lecture Prof. Dr. Oscar Pastor <i>Chair: Prof. Dr. Marijn Janssen</i>	17:15 BMSD'17 Session 8: Short Papers Business Process Re-Engineering	15:15 Special Session Industrial Talk
17:00 Poster Session		15:45 BMSD'17 Session 14: Short Papers Business Process Analysis
17:15 BMSD'17 Session 1: Full Papers Agile Business Processes and Variability		16:05 Discussion & Closing Session + Coffee
	18:30 Bus Leaves to Barri Gotic	
	Walking Tour	
	21:00 BMSD'17 Banquet	
	23:00	

The list of ACCEPTED PAPERS follows on the next two pages

BMSD'17: List of Accepted Papers

Session 1: **AGILE BUSINESS PROCESSES AND VARIABILITY**

Paper 2:

Microflows: Enabling Agile Business Process Modeling to Orchestrate Semantically-annotated Microservices

Presenter: **Roy Oberhauser**

Authors: Roy Oberhauser and Sebastian Stigler

Paper 4:

Combined Variability Management of Business Processes and Software Architectures

Presenter: **Andreas Sinnhofer**

Authors: Andreas Sinnhofer, Andrea Holler, Peter Puhlinger, Klaus Potzmader, Clemens Orthacker, Christian Steger and Christian Kreiner

Session 2: **ENTERPRISE ARCHITECTURES AND SOFTWARE DESIGN**

Paper 5:

Towards Context-Aware and Privacy-Sensitive Systems

Presenters: **Boris Shishkov and Marijn Janssen**

Authors: Boris Shishkov, Marijn Janssen and Yi Yin

Paper 6:

Towards an Integrated Architecture Model of Smart Manufacturing Enterprises

Presenter: **Maria-Eugenia Iacob**

Authors: Thijs Franck, Maria-Eugenia Iacob, Marten van Sinderen and Andreas Wombacher

Session 3: **KNOWLEDGE MANAGEMENT AND BUSINESS PROCESSES: FROM STRATEGIES TO EXECUTION**

Paper 9:

Digitalization of the Process of Process Management - The BPM-D® Application

Presenter: **Mathias Kirchmer**

Authors: Mathias Kirchmer, Peter Franz and Rakesh Gusain

Paper 11:

Extending BPMN 2.0 with the Knowledge Dimension

Presenter: **Mariam Ben Hassen**

Authors: Mariam Ben Hassen, Mohamed Turki and Faiez Gargouri

Paper 12:

The Strategy Blueprint - A Strategy Process Computer-Aided Design Tool

Presenter: **Maya Daneva**

Authors: Adina Aldea, Tania Rizky Febriani, Maya Daneva and Maria-Eugenia Iacob

Session 4: **DATA MANAGEMENT: SECURITY AND PRIVACY**

Paper 13:

An Intelligent Approach and Data Management in Active Security Auditing Processes for Web based Applications

Presenter: **Lyazzat Atymtayeva**

Authors: Lyazzat Atymtayeva, Serik Nurmyshev and Gulfarida Tulemissova

Paper 14:

Opening More Data - A New Privacy Risk Scoring Model for Open Data

Presenter: **Amr Ali- Eldin**

Authors: Amr Ali- Eldin, Anneke Zuiderwijk and Marijn Janssen

Session 5: **DISTRIBUTED COMPUTING**

Paper 15:

Fast Deduplication Data Transmission Scheme on a Big Data Real-time Platform

Presenter: **Sheng-Tzong Cheng**

Authors: Sheng-Tzong Cheng, Jian-Ting Chen and Yin-Chun Chen

Session 6: **BUSINESS MODELING AND SEMIOTICS**

Paper 3:

Models in Business - Experiences from the Field

Presenter: **Coen Suurmond**

Author: Coen Suurmond

Session 7: **REQUIREMENTS ANALYSIS AND ENTERPRISE MODELS**

Paper 17:

Software Development Business Model for Top Level Process with Competitive Bidding - Is Requirement Analysis the Unpaid Work?

Presenter: **Noriko Hanakawa**

Authors: Noriko Hanakawa and Masaki Obana

Paper 19:

An Approach for Transforming IT-Network Diagrams into Enterprise Architecture Models

Presenter: **Nicolas Mayer**

Authors: Daniel Maciejewski and Nicolas Mayer

Session 8: **BUSINESS PROCESS RE-ENGINEERING**

Paper 21:

Some Issues in the Re-engineering of Business Processes and Models by using Intelligent Security Tools

Presenter: **Gulfarida Tulemissova**

Authors: Lyazzat Atymtayeva, Gulfarida Tulemissova, Serik Nurmyshev and Ardakbek Kungaliyev

BMSD'17: List of Accepted Papers (Cont.)

Session 9: **BUSINESS PROCESS MODELING**

Paper 16:

Assigning Business Processes: A Game-Theoretic Approach
Presenter: **Evangelos Spyrou**
Authors: Evangelos Spyrou and Dimitris Mitrakos

Session 10: **DISTRIBUTED SYSTEMS**

Paper 20:

Towards Modeling Adaptation Services for Large-Scale Distributed Systems with Abstract State Machines
Presenter: **Sorana Tania Nemeş**
Authors: Sorana Tania Nemeş and Andreea Buga

Session 11: **BUSINESS PROCESSES AND INFORMATION SYSTEMS: DEVELOPMENT AND TECHNIQUES**

Paper 8:

Developing Information Systems with Nomis - A Model-Driven Systems Development Approach Proposal
Presenter: **José Cordeiro**
Author: José Cordeiro

Paper 10:

A Systematic Review of Analytical Management Techniques in Business Process Modelling for SMEs beyond What-if-Analysis ...
Presenter: **Dimitrios Karras and Rallis Papademetriou**
Authors: Dimitrios Karras and Rallis Papademetriou

Session 12: **WEB ORIENTED ARCHITECTURES**

Paper 7:

Web Oriented Architectural Styles for Integrating Service e-Marketplace Systems
Presenter: **Robert Kutera**
Authors: Robert Kutera and Wieslawa Gryncewicz

Session 13: **BUSINESS PROCESSES, IT, AND ADVANCED APPLICATIONS**

Paper 22:

Integration of Augmented Reality Technologies in Process Modeling - The Augmentation of Real World Scenarios with the KMDL
Presenter: **Marcus Grum**
Authors: Marcus Grum and Norbert Gronau

Paper 23:

Usability Assessment of Drone Technology with Regard to Land Border Security
Presenter: **Boris Shishkov**
Authors: Stefan Hristozov and Boris Shishkov

Session 14: **BUSINESS PROCESS ANALYSIS**

Paper 18:

Understanding BPMN through Defect Detection Process
Presenter: **Damla Metin**
Authors: Gul Tokdemir and Damla Metin

POSTER SESSIONS

Paper 24:

Encouraging Business Flexibility by Improved Context Descriptions
Presenter: **Johan Silvander**
Authors: Johan Silvander, Magnus Wilson and Krzysztof Wnuk

Paper 25:

Market Share Research using Conjoint Analysis on Digital Cameras
Presenter: **Haodong Liu**
Author: Haodong Liu

Paper 26:

Impact of Agility on the Business IT Alignment
Presenter: **Karim Doumi**
Authors: Kawtar Imgharene, Karim Doumi and Salah Baina

Paper 27:

A Policy-based Dynamic Adaptation System for Service Composition
Presenter: **Mohamed Berkane**
Authors: Sara Zatout, Mahmoud Boufaïda and Mohamed Lamine Berkane

Paper 28:

Software Development Process supported by Business Process Modelling - An Experience Report
Presenter: **Helga Duarte**
Authors: Olga Vega, Helga Duarte and Jaime Chavarriaga