

BMSD'16 Technical Program

June 20	June 21	June 22
	08:30 Welcome Desk Registration	
	09:00 Keynote Lecture Prof. Dr. Jan Juerjens <i>Chair: Dr. Mathias Kirchmer</i>	09:00 Welcome Desk Registration
	10:00 BMSD'16 Session 3: Full Papers Service-Oriented Computing and SaaS	09:30 Keynote Lecture Dr. Mathias Kirchmer <i>Chair: Prof. Dr. Paris Avgeriou</i>
	11:00 Coffee-Break	10:30 BMSD'16 Session 11: Short Papers Business Process Modeling
	11:15 BMSD'16 Session 4: Full Papers Business Process Management and Enterprise Architectures	10:50 BMSD'16 Session 12: Short Papers Service-Oriented Architectures
	12:45 Lunch	11:20 Coffee-Break
	13:45 BMSD'16 Session 5: Full Papers Business Rules and Inconsistency Risks	11:45 BMSD'16 Session 13: Full Papers Business Modeling and Transformations
	14:45 BMSD'16 Session 6: Full Papers Knowledge Modeling	12:45 Lunch
14:00 Welcome Desk Registration	15:15 Poster Session + Coffee-Break	13:45 BMSD'16 Session 14: Full Papers Capability-Affordance Modeling
14:30 Opening Session	15:50 BMSD'16 Session 7: Short Papers Process Mining	14:15 BMSD'16 Session 15: Full Papers Knowledge Management
14:45 Panel <i>Chair: Dr. Boris Shishkov</i>	16:15 BMSD'16 Session 8: Short Papers Software Product Lines	14:45 Special Session Industrial Talk
15:45 Coffee-Break	16:35 BMSD'16 Session 9: Full Papers Design Patterns and Code Re-use	15:15 BMSD'16 Discussion Session Border Security Applications
16:00 Keynote Lecture Prof. Dr. Paris Avgeriou <i>Chair: Dr. Dimitris Mitrakos</i>	17:05 Special Session Green IT Solutions	15:45 Closing Session + Coffee
17:00 BMSD'16 Session 1: Full Papers Conceptual Modeling and Inf. Systems	17:55 BMSD'16 Session 10: Full Papers Business Process Modeling Tools	
18:00 BMSD'16 Session 2: Full Papers Business Processes and Product Planning	19:30 BMSD'16 Banquet	
	23:00	

The list of ACCEPTED PAPERS follows on the next three pages

BMSD'16: List of Accepted Papers

Session 1: **CONCEPTUAL MODELING AND INFORMATION SYSTEMS**

Paper 1:

Interactions, Transitions and Inference Rules in Semantically Integrated Conceptual Modelling

Presenter: **Remigijus Gustas**

Authors: Remigijus Gustas and Prima Gustiené

Paper 2:

Modelling Information Systems using NOMIS - An Overview of Its Modelling Notation and Implementation

Presenter: **José Cordeiro**

Author: José Cordeiro

Session 2: **BUSINESS PROCESSES AND PRODUCT PLANNING**

Paper 3:

Hard Problems and Soft Information

Presenter: **Coen Suurmond**

Author: Coen Suurmond

Session 3: **SERVICE-ORIENTED COMPUTING AND SaaS**

Paper 15:

Scheduling Different Types of Applications in a SaaS Cloud

Presenter: **Helen Karatza**

Authors: Georgios Stavrinides and Helen Karatza

Paper 16:

On Service e-Marketplaces for Independent and Assisted Living

Presenter: **Leszek Maciaszek**

Author: Leszek Maciaszek

Session 4: **BUSINESS PROCESS MANAGEMENT AND ENTERPRISE ARCHITECTURES**

Paper 14:

Microflows: Lightweight Automated Planning and Enactment of Workflows Comprising Semantically-Annotated Microservices

Presenter: **Roy Oberhauser**

Author: Roy Oberhauser

Paper 11:

Characteristics of Enterprise Architecture Analyses

Presenter: **Julia Rauscher**

Authors: Julia Rauscher, Melanie Langermeier and Bernhard Bauer

Paper 12:

Visualization of Changes in ArchiMate - Within the Application and Technology Layers

Presenter: **Ella Roubtsova**

Authors: Robert Bakelaar and Ella Roubtsova

Session 5: **BUSINESS RULES AND INCONSISTENCY RISKS**

Paper 4:

Assessing Business Processes by Checking Transaction Documents for Inconsistency Risks

Presenter: **Nobukazu Yoshioka**

Authors: Takafumi Komoto, Kokichi Futatsugi and Nobukazu Yoshioka

Paper 5:

A Metamodel for Business Rules with Access Control

Presenter: **Lex Wedemeijer**

Author: Lex Wedemeijer

Session 6: **KNOWLEDGE MODELING**

Paper 10:

A Proposal to Model Knowledge in Knowledge-Intensive Business Processes

Presenter: **Norbert Gronau**

Authors: Norbert Gronau, Christoph Thim, André Ullrich, Gergana Vladova and Edzard Weber

Session 7: **PROCESS MINING**

Paper 19:

Cross-System Process Mining using RFID Technology

Presenter: **Norbert Gronau**

Authors: Christian Glaschke, Norbert Gronau and Benedict Bender

Session 8: **SOFTWARE PRODUCT LINES**

Paper 21:

A Framework for Process Driven Software Configuration

Presenter: **Andreas Sinnhofer**

Authors: Andreas Daniel Sinnhofer, Peter Pühringer, Klaus Potzmader, Clemens Orthacker, Christian Steger and Christian Kreiner

BMSD'16: List of Accepted Papers (Cont.)

Session 9: **DESIGN PATTERNS AND CODE RE-USE**

Paper 17:

DP-CORE: A Design Pattern Detection Tool for Code Reuse
Presenter: **Andreas Symeonidis**
Authors: Themistoklis Diamantopoulos, Antonis Noutsos and Andreas Symeonidis

Session 10: **BUSINESS PROCESS MODELING TOOLS**

Paper 13:

An in Depth Comparative Analysis of Software Tools for Modelling and Simulating Business Processes
Presenter: **Rallis Papademetriou**
Authors: Rallis Papademetriou and Dimitrios Karras

Session 11: **BUSINESS PROCESS MODELING**

Paper 18:

Rule-based Business Process Abstraction Framework
Presenter: **Christina Tsagkani**
Authors: Christina Tsagkani and Aphrodite Tsalgatidou

Session 12: **SERVICE-ORIENTED ARCHITECTURES**

Paper 20:

Towards a Service-Oriented Architecture for eVoting
Presenters: **Boris Shishkov & Marijn Janssen**
Authors: Boris Shishkov and Marijn Janssen

Session 13: **BUSINESS MODELING AND TRANSFORMATIONS**

Paper 6:

Business Models & Business Cases for Point-Of-Care Testing
Presenter: **Lucas Meertens**
Authors: A. J. Staring, L. O. Meertens and N. Sikkel

Paper 7:

On the Effect of Digital Frontstores on Transforming Business Models - Concept and Use-case from the Consulting Industry
Presenter: **Tobias Greff**
Authors: Denis Johann, Tobias Greff and Dirk Werth

Session 14: **CAPABILITY-AFFORDANCE MODELING**

Paper 8:

3D Printing and Additive Manufacturing Capability Modelling
Presenter: **Vaughan Michell**
Author: Vaughan Michell

Session 15: **KNOWLEDGE MANAGEMENT**

Paper 9:

A Multi-criteria Evaluation Framework for Selecting Sensitive Business Processes Modeling Formalism
Presenter: **Mariam Ben Hassen**
Authors: Mariam Ben Hassen, Mohamed Turki and Faïez Gargouri

Special Session: **GREEN IT SOLUTIONS**

Paper 26:

The Effect of Network Performance on High Energy Physics Computing
Presenter: **Seppo Heikkilä**
Authors: Jukka Kommeri, Aleksi Vartiainen, Seppo Heikkilä and Tapio Niemi

Paper 27:

A Backpressure Framework Applied to Road Traffic Routing for Electric Vehicles
Presenter: **Evangelos Spyrou**
Authors: Evangelos Spyrou and Dimitris Mitrakos

BMSD'16: List of Accepted Papers (Cont.)

POSTER SESSION

Paper 22:

Towards Context-aware Border Security Control

Presenter: **Boris Shishkov**

Authors: Boris Shishkov and Dimitris Mitrakos

Paper 23:

Introduction of BEMES, a Webtool to Simplify Business Process and Equipment Cost Modelling

Presenter: **Jonathan Spruytte**

Author: Jonathan Spruytte, Marlies Van der Wee, Sofie Verbrugge and Didier Colle

Paper 24:

Using a Multi-Perspectives Approach for Building a Socio-Technical Information System

Presenter: **Yemna Sayeb**

Authors: Sayeb Belhassen Yemna, Foughali Ibtissem and Hajjami Ben Ghezala Henda

Paper 25:

Metaprocesses as Software Assets Reuse

Presenter: **Javier Darío Fernández-Ledesma**

Author: Javier Darío Fernández-Ledesma