

BMSD'15 Technical Program

July 6		July 7		July 8	
		08:30	Welcome Desk Registration		
		09:00	Keynote Lecture Prof. Dr. Marijn Janssen <i>Chair: Prof. Dr. Barbara Pernici</i>	09:00	Welcome Desk Registration
		10:00	BMSD'15 Session 3: Full Papers Business Processes	09:30	BMSD'15 Session 9: Short Papers Business Models and ICT Requirements
		11:00	Coffee-Break	10:30	BMSD'15 Session 10: Short Papers Context Awareness
		11:15	BMSD'15 Session 4: Full Papers Business Processes & Business Models, Maturity Levels, Value Capturing	10:50	BMSD'15 Session 11: Short Papers Model-Driven and Product-Line Engineering
		12:45	Lunch	11:30	Coffee-Break
		13:45	BMSD'15 Session 5: Full Papers Capability Modeling, Business-IT Alignment	11:45	BMSD'15 Session 12: Short Papers Software Development
		14:00	Welcome Desk Registration	12:45	Lunch
		14:30	Opening Session	13:45	BMSD'15 Session 13: Short Papers Business Models and Change Management
		14:45	Panel <i>Chair: Dr. Boris Shishkov</i>	14:45	BMSD'15 Session 14: Short Papers KPIs and Usability Evaluation
		15:45	Coffee-Break	15:25	Coffee-Break
		16:00	Keynote Lecture Prof. Dr. Barbara Pernici <i>Chair: Prof. Dr. Marijn Janssen</i>	15:35	BMSD'15 Session 15: Short Papers Distributed Business Processes
		17:00	BMSD'15 Session 1: Full Papers Technical Risk and Technical Debt	16:15	Special Session InterCriteria Decision-Making Analysis
		17:45	BMSD'15 Session 2: Full Papers Architectures	17:35	Closing Session
		19:30	BMSD'15 Banquet		
		23:00			

The list of ACCEPTED PAPERS follows on the next three pages

BMSD'15: List of Accepted Papers

Session 1: **TECHNICAL RISK AND TECHNICAL DEBT**

Paper 7:

Supporting the Security Certification of Cloud-Computing-Infrastructures

Presenter: **Jan Juerjens**

Authors: Amir Shayan Ahmadian, Fabian Coerschulte, Jan Juerjens

Paper 8:

Establishing a Framework for Managing Interest in Technical Debt

Presenter: **Apostolos Ampatzoglou**

Authors: Areti Ampatzoglou, Apostolos Ampatzoglou, Paris Avgeriou, Alexander Chatzigeorgiou

Session 2: **ARCHITECTURES**

Paper 4:

Confluent Factors, Complexity and Resultant Architectures in Modern Software Engineering , A Case of Service Cloud Applications

Presenter: **Leszek Maciaszek**

Authors: Leszek Maciaszek, Tomasz Skalniak

Session 3: **BUSINESS PROCESSES**

Paper 1:

Adapting Processes via Adaptation Processes: A Flexible and Cloud-Capable Adaptation Approach for Dynamic Business Process Management

Presenter: **Roy Oberhauser**

Author: Roy Oberhauser

Paper 2:

Automated Process Model Discovery, Limitations And Challenges

Presenter: **Norbert Gronau**

Authors: Norbert Gronau, Christian Glaschke

Session 4: **BUSINESS PROCESSES & BUSINESS MODELS, MATURITY LEVELS, VALUE CAPTURING**

Paper 9:

Extending the Business Model Canvas: a Dynamic Perspective

Presenter: **Boris Fritscher**

Author: Boris Fritscher, Yves Pigneur

Paper 10:

Tailoring the Business Modelling Method for R&D

Presenter: **Lucas Meertens**

Author: Lucas Meertens, Maria-Eugenia Iacob

Paper 3:

Towards Business Process Modeling for Knowledge Management

Presenter: **Mariam Ben Hassen**

Authors: Mariam Ben Hassen, Mohamed Turki, Faïez Gargouri

Session 5: **CAPABILITY MODELING, BUSINESS-IT ALIGNMENT**

Paper 11:

Exploring Invention Capability

Presenter: **Vaughan Michell**

Authors: Vaughan Michell, Rajeth Surrendran

Paper 12:

Shaping IT Capabilities to the Business Strategy, Capitalizing on Emerging Technologies and Trends

Presenter: **Ivan Ivanov**

Author: Ivan Ivanov

Session 6: **BUSINESS PROCESSES & INDUSTRIAL EXPERIENCE**

Paper 13:

The Process of Process Management, Mastering the New Normal in a Digital World

Presenter: **Mathias Kirchmer**

Author: Mathias Kirchmer

Session 7: **ARCHITECTURES**

Paper 5:

Enterprise Methods Management Using Semantic Web Technologies

Presenter: **Peter Rosina**

Author: Peter Rosina, Bernhard Bauer

Paper 6:

Model-Driven Architecture for SLA Orchestration in Cloud Services Based Systems

Presenter: **Assel Akzhalova**

Author: Assel Akzhalova, Akylbek Zhumabayev, Ulan Dossumov

Session 8: **BUSINESS / IT MODELING & IND. EXPERIENCE**

Paper 14:

30 Years of Consulting and Developing for Food Processing

Presenter: **Coen Suurmond**

Author: Coen Suurmond

BMSD'15: List of Accepted Papers (Cont.)

Session 9: BUSINESS MODELS AND ICT REQUIREMENTS

Paper 15:

Comparing DEMO with i_Star, In Identifying Software Functional Requirement

Presenter: **Tarek Fatyani**

Authors: Tarek Fatyani, Junich Iijima, Jaehyun Park

Paper 16:

A Pragmatic Risk Assessment Method Supported by the Business Model Canvas

Presenter: **Diogo Proença**

Authors: Diogo Proença, Ahmad Nadali, José Borbinha

Paper 17:

Towards Systemic Evaluation of the Business Value of IT

Presenter: **Harri Töhönen**

Authors: Harri Töhönen, Timo Itälä, Marjo Kauppinen, Tomi Männistö

Session 10: CONTEXT-AWARENESS

Paper 24:

Context Emergence Using Graph Theory, Defining and Modeling Context for Industrial Assets Using Graphs

Presenters: **Bharath Rao & Arila Barnes**

Authors: Bharath Rao, Arila Barnes

Session 11: MODEL-DRIVEN AND PRODUCT-LINE ENGINEERING

Paper 19:

Domain-Specific Language for Generating Administrative Process Applications

Presenter: **Antonio García-Domínguez**

Authors: Antonio García-Domínguez, Ismael Jerez-Ibáñez, Inmaculada Medina-Bulo

Paper 20:

varBPM, A Product Line for Creating Business Process Model Variants

Presenter: **Andreas Sinnhofer**

Authors: Andreas Sinnhofer, Peter Puehringer, Christian Kreiner

Session 12: SOFTWARE DEVELOPMENT

Paper 21:

Linking Business Process and Software System

Presenter: **Maria Tortorella**

Authors: Lerina Aversano, Marco di Brino, Paolo di Notte, Domenico Martino and Maria Tortorella

Paper 22:

Improvement of Security Patterns Strategy for Information Security Audit Applications

Presenter: **Lyazzat Atymtayeva**

Authors: Lyazzat Atymtayeva, Mahmoud Abdel-Aty

Paper 23:

Software Implementation of Several Production Scheduling Algorithms

Presenter: **Vladimir Monov**

Authors: Vladimir Monov, Tasho Tashev, Alexander Alexandrov

Session 13: BUSINESS MODELS AND CHANGE MANAGEMENT

Paper 18:

Analysis of IT-Business Models, Towards Theory Development of Business Model Transformation and Monitoring

Presenter: **Christina Di Valentin**

Authors: Christina Di Valentin, Dirk Werth, Peter Loos

Paper 25:

Toward a Holistic Method for Regulatory Change Management

Presenter: **Sagar Sunkle**

Authors: Sagar Sunkle, Vinay Kulkarni

Paper 26:

Enterprise Architecture-Based Service Portfolio Management for Automated Service Catalog Generation

Presenter: **Clemens Landsberg**

Authors: Clemens Landsberg, Markus Esch

Session 14: KPIS AND USABILITY EVALUATION

Paper 27:

Simulation-Based Evaluation of Recommendation Algorithms Assisting Business Process Modeling

Presenter: **Adam Styperek**

Authors: Adam Styperek, Michal Ciesielczyk, Pawel Misiorek, Andrzej Szwabe

Paper 28:

Application of a Discrete Event Simulator for Healthcare Processes

Presenter: **Gregory Casier**

Authors: Gregory Casier, Koen Casier, Jan Van Ooteghem, Sofie Verbrugge

BMSD'15: List of Accepted Papers (Cont.)

Session 15: **DISTRIBUTED BUSINESS PROCESSES**

Paper 29:

Towards Lock-Free Distributed Transactions

Presenter: **Rustem Kamun**

Authors: Rustem Kamun, Askhat Omarov, Timur Umarov

Special Session: **IT SOLUTIONS FOR HEALTHCARE**

Paper 32:

Effect of Touch Care and Fomentation Use in Nursing Care, Examination from Fingertip Pulse

Presenter: **Yoko Hirohashi**

Authors: Y. Hirohashi, C. Kato, S. Minamiyama, H. Hasegawa, Y. Yuki, T. Sasaki

Special Session: **INTELLIGENT APPLICATIONS OF InterCriteria DECISION MAKING ANALYSIS**

Paper 33:

InterCriteria Software Design: Graphic Interpretation within the Intuitionistic Fuzzy Triangle

Presenter: **Irina Radeva**

Authors: Deyan Mavrov, Irina Radeva, Krassimir Atanassov, Lyubka Doukowska, Ivan Kalaykov

Paper 34:

InterCriteria Analysis Applied to Various EU Enterprises

Presenter: **Vassia Atanassova**

Authors: Lyubka Doukowska, Vassia Atanassova, George Shahpazov, František Čapkovič

Paper 35:

InterCriteria Decision Making Approach for Iron Powder Briquetting

Presenter: **Lyubka Doukowska**

Authors: Lyubka Doukowska, Dimitar Karastoyanov, Nikolay Stoymenov, Ivan Kalaykov

Paper 36:

InterCriteria Decision Making Approach for Metal Chips Briquetting

Presenter: **Dimitar Karastoyanov**

Authors: Dimitar Karastoyanov, Lyubka Doukowska, Stanislav Gyoshev, Ivan Kalaykov

POSTER SESSION

Paper 30:

Experiences of Tool-Based Enterprise Modelling as Part of Architectural Change Management

Presenter: **Vaughan Michell**

Authors: Cameron Spence, Vaughan Michell

Paper 31:

MagLab – An Intelligent Management Learning Environment

Presenter: **Rallis Papademetriou**

Author: Rallis Papademetriou