

# BMSD'22 Technical Program

June 27	June 28	June 29
	08:30	
		09:30
		09:40
		10:20
		11:00
		11:10
		11:50
		12:15
		12:45
13:30	13:45	
14:00	14:45	
14:15	15:30	
15:15	15:45	
16:15	18:30	
16:30	20:00	
17:30	22:00	

The list of ACCEPTED PAPERS follows on the next two pages

# BMSD'22: List of Accepted Papers

## Session 1: **BUSINESS PROCESS MANAGEMENT AND MODEL VERIFICATION 1/2**

### Paper 1:

Rapid Prototyping of Business Rule-based Systems with Controlled Natural Language and Semantic Web Software

Presenter: **Lloyd Rutledge**

Authors: Lloyd Rutledge, Jouke Corbijn, Boris Cuijpers, Lieuwe Wondaal

### Paper 2:

Agile Innovation Through Business Process Management: Realizing the Potential of Digital Transformation

Presenter: **Mathias Kirchmer**

Author: Mathias Kirchmer

## Session 2: **BUSINESS PROCESS MANAGEMENT AND MODEL VERIFICATION 2/2**

### Paper 3:

Requirements for Dynamic Jumps at the Execution of Business Processes

Presenter: **Thomas Bauer**

Author: Thomas Bauer

### Paper 4:

Results from the Verification of Models of Spectrum Auctions

Presenter: **Elaheh Ordoni**

Authors: Elaheh Ordoni, Jutta Muelle, Klemens Boehm

## Session 3: **KNOWLEDGE MANAGEMENT AND DECISION SUPPORT SYSTEMS**

### Paper 5:

Context-Aware, Intelligent Musical Instruments for Improving Knowledge-Intensive Business Processes

Presenter: **Marcus Grum**

Author: Marcus Grum

### Paper 6:

Detecting Data Incompatibilities in Process-Driven Decision Support Systems

Presenter: **Jonas Kirchhoff**

Authors: Jonas Kirchhoff, Sebastian Gottschalk, Gregor Engels

## Session 4: **ENTERPRISE MODELING AND REQUIREMENTS SPECIFICATION 1/2**

### Paper 7:

Semantic Relations of Sub-Models in an Enterprise Model

Presenter: **Ella Roubtsova**

Authors: Ella Roubtsova, Sefanja Severin

## Session 5: **ENTERPRISE MODELING AND REQUIREMENTS SPECIFICATION 2/2**

### Paper 8:

VR-EA+TCK: Visualizing Enterprise Architecture, Content, and Knowledge in Virtual Reality

Presenter: **Roy Oberhauser**

Authors: Roy Oberhauser, Marie Baehre, Pedro Sousa

### Paper 9:

A Case of Social Dynamics & Social Relativism

Presenter: **Coen Suurmond**

Author: Coen Suurmond

### Paper 10:

Advantages of a Formal Specification of a Case: From Informal Description via Formal Specification to Realization

Presenter: **Bert de Brock**

Author: Bert de Brock

## Session 6: **TRUST AND SECURITY**

### Paper 11:

An Architecture for Attesting to the Provenance of Ontologies Using Blockchain Technologies

Presenter: **Simon Curty**

Authors: Simon Curty, Hans-Georg Fill, Rafael S. Goncalves, Mark A. Musen

### Paper 12:

Trends for the DevOps Security. A Systematic Literature Review

Presenter: **Anne Honkaranta**

Authors: Tiina Leppanen, Anne Honkaranta, Andrei Costin

## Session 7: **BUSINESS PROCESS MODELING**

### Paper 13:

Errors in the Process of Modeling Business Processes

Presenter: **Marcus Grum**

Author: Norbert Gronau

### Paper 14:

Use Cases for Augmented Reality Applications in Enterprise Modeling: A Morphological Analysis

Presenter: **Fabian Muff**

Authors: Fabian Muff, Hans-Georg Fill

# BMSD'22: List of Accepted Papers (Cont.)

## Session 8: **CONTEXT-AWARENESS AND PRIVACY-BY-DESIGN**

### Paper 15:

On the Context-Aware Servicing of User Needs: Extracting and Managing Context Information Supported by Rules and Predictions

Presenter: **Boris Shishkov**

Authors: Boris Shishkov, Marten van Sinderen

### Paper 16:

Towards Identification and Modelling of Privacy Requirements with Systems Thinking

Presenter: **Tuisku Sarrala**

Authors: Tuisku Sarrala, Tommi Mikkonen, Anh Nguyen Duc, Pekka Abrahamsson

## Session 9: **OPEN DATA AND RISK ASSESSMENT**

### Paper 17:

Toward a Reference Architecture for User-Oriented Open Government Data Portals

Presenter: **Ahmad Luthfi**

Author: Ahmad Luthfi, Marijn Janssen

### Paper 18:

KnowGo : An Adaptive Learning-based Multi-Model Framework for Dynamic Automotive Risk Assessment

Presenter: **Indika Kumara**

Author: Paul Mundt, Indika Kumara, Willem-Jan van den Heuvel, Damian A. Tamburri

## Session 10: **CCTV-AWARENESS AND PRIVACY**

### Paper 19:

OSRM-CCTV: CCTV-aware Routing and Navigation System for Privacy and Safety

Presenter: **Lauri Sintonen**

Authors: Lauri Sintonen, Hannu Turtiainen, Andrei Costin, Timo Hamalainen, Tuomo Lahtinen

### Paper 20:

CCTV-Exposure: System for Measuring User's Privacy Exposure to CCTV Cameras

Presenter: **Hannu Turtiainen**

Authors: Hannu Turtiainen, Andrei Costin, Timo Hamalainen

## Session 11: **IoT-RELATED VISUALIZATIONS**

### Paper 21:

Computer Model for Assessment and Visualization of Specific Absorption Rate of Electromagnetic Field, Generated by Smartphone

Presenter: **Magdalena Garvanova**

Authors: Magdalena Garvanova, Ivan Garvanov, Daniela Borissova

## **INDUSTRIAL PRESENTATION**

Presenter: **Mathias Kirchmer**