

CALL FOR PAPERS

SUBMIT YOUR PAPER BY 12 MARCH 2018

Website: <http://www.is-bmsd.org>

2-4 July
Vienna, Austria

BMSD 2018

Eighth International Symposium on Business Modeling and Software Design

Chair:

Dr. Boris Shishkov,
BAS / IICREST, Bulgaria
Delft University of Technology, The Netherlands

Keynote Lecturers:

Prof. Dr. Jan Mendling, WU Vienna, Austria
Prof. Dr. Roy Oberhauser, Aalen University, Germany



The symposium is organized by **IICREST**, co-organized by **WU Vienna**, and technically co-sponsored by **BPM-D**. Cooperating organizations are: **AUTH** - Aristotle University of Thessaloniki, **TU DELFT** - Delft University of Technology, **CTIT** - the U-Twente Centre for Telematics and Information Technology, **SIKS** - the Netherlands Research School for Information and Knowledge Systems, and **AMAKOTA** Ltd.

BMSD is a leading international discussion and knowledge dissemination forum that brings together Researchers and Practitioners interested in: (i) Modeling in general and in particular - Conceptual Modeling, Goal Modeling, Value Modeling, Business/Enterprise Modeling, Process Modeling, Model-Driven Engineering; (ii) Enterprise Engineering and its relation to Software Generation; (iii) Information Systems Architectures and Design.

In 2018, BMSD will be held in Vienna, Austria, following previous events in Spain (Barcelona, 2017), Greece (Rhodes, 2016), Italy (Milan, 2015), the Grand Duchy of Luxembourg (Luxembourg, 2014), The Netherlands (Noordwijkerhout, 2013), Switzerland (Geneva, 2012), and Bulgaria (Sofia, 2011).

We welcome paper submissions from but not limited to the following areas and topics:

1. BUSINESS PROCESSES AND ENTERPRISE ENGINEERING

enterprise systems
enterprise system environments and context
construction and function
actor roles
signs and affordances
transactions
business processes
business process coordination
business process optimization
business process management and strategy execution
production acts and coordination acts
regulations and business rules
enterprise (re-) engineering
enterprise interoperability
inter-enterprise coordination
enterprise engineering and architectural governance
enterprise engineering and software generation
enterprise innovation

2. BUSINESS MODELS AND REQUIREMENTS

essential business models
re-usable business models
business value models
business process models
business goal models
integrating data analytics in business modeling
semantics and business data modeling
pragmatics and business behavior modeling
business modeling viewpoints and overall consistency
business modeling landscapes
requirements elicitation
domain-imposed and user-defined requirements
requirements specification and modeling
requirements analysis and verification
requirements evolution
requirements traceability
usability and requirements elicitation

3. BUSINESS MODELS AND SERVICES

enterprise engineering and service science
service-oriented enterprises
from business modeling to service-oriented solutions
business modeling for software-based services
service engineering
business-goals-driven service discovery and modeling
technology-independent and platform-specific service modeling
re-usable service models
business-rules-driven service composition
web services
autonomic service behavior
context-aware service behavior
service interoperability
change impact analysis and service management
service monitoring and quality of service
services for IoT applications
service innovation

4. BUSINESS MODELS AND SOFTWARE

enterprise engineering and software development
model-driven engineering
co-design of business and IT systems
business-IT alignment and traceability
alignment between IT architecture and business strategy
business strategy and technical debt
business-modeling-driven software generation
normalized systems and combinatorial effects
software generation and dependency analysis
component-based business-software alignment
objects, components, and modeling patterns
generic business modeling patterns and software re-use
business rules and software specification
business goals and software integration
business innovation and software evolution
software technology maturity models
domain-specific models
crosscutting concerns - security, privacy, distribution, recoverability, logging, performance monitoring

5. INFORMATION SYSTEMS ARCHITECTURES AND PARADIGMS

enterprise architectures
service-oriented computing
software architectures
cloud computing
autonomic computing (and intelligent software behavior)
context-aware computing (and adaptable software systems)
affective computing (and user-aware software systems)
aspect-oriented computing (and non-functional requirements)
architectural styles
architectural viewpoints

6. DATA ASPECTS IN BUSINESS MODELING AND SOFTWARE DEVELOPMENT

data analytics and quality of data
data-flow analysis
data semantics
knowledge identification
data modeling in business processes
data management
knowledge management
ontologies
statistical analysis and context states
data distributions and occurrence probabilities



Key dates

Paper submission deadline: **12 March 2018**
Notification of acceptance: **23 April 2018**
Final paper submission: **7 May 2018**

Types of contributions

Regular Papers - presenting research that is completed or almost finished
Position Papers - presenting an arguable opinion about and issue
Invited Papers - submitted by best paper authors and BMSD former/future Keynotes

Paper formats

Full Papers - 10-page limit in the symposium proceedings (oral presentation)
Short Papers - 6-page limit in the symposium proceedings (oral presentation)
Posters - 4 page limit in the symposium proceedings (poster presentation)

How to submit a paper (7 steps)

1. View the technical scope; 2. Prepare a contribution of no less than 3 and no more than 8 pages; 3. Decide whether you are submitting your contribution as a Regular Paper or as a Position Paper; 4. Do paper formatting, using the provided templates (<http://www.is-bmsd.org>); 5. Remove your names and the names of your co-authors (and also your affiliations) from the title and references sections; 6. Save the file as PDF; 7. e-Mail the file to: secretariat@iicrest.org by the 12th of March, putting in the Subject: "BMSD 2018, Regular/Position Paper".

Publication

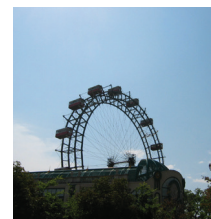
Accepted papers will be presented at BMSD 2018 and included in the symposium proceedings, published by SciTePress. All presented papers will also be included in the SciTePress Digital Library (<http://www.scitepress.org/DigitalLibrary>) and SCOPUS-indexed. Finally, the authors of selected best papers will be invited to submit revised and extended versions of their papers in a Springer LNBI Revised Selected Papers book.

Proceedings of previous editions

2017: <http://www.is-bmsd.org/Documents/ProceedingsOfSeventhBMSD.pdf>
2016: <http://www.is-bmsd.org/Documents/ProceedingsOfSixthBMSD.pdf>
2015: <http://www.is-bmsd.org/Documents/ProceedingsOfFifthBMSD.pdf>
2014: <http://www.is-bmsd.org/Documents/ProceedingsOfFourthBMSD.pdf>
2013: <http://www.is-bmsd.org/Documents/ProceedingsOfThirdBMSD.pdf>
2012: <http://www.is-bmsd.org/Documents/ProceedingsOfSecondBMSD.pdf>
2011: <http://www.is-bmsd.org/Documents/ProceedingsOfFirstBMSD.pdf>

Venue

The BMSD sessions will be held at WU Vienna, one of the most prestigious Austrian universities. Vienna is among the most popular cities in the World, inspiring with its culture, art and traditions.



For more information

t: +359 888 534435
e: secretariat@iicrest.org

website: <http://www.is-bmsd.org>
fb: <https://www.facebook.com/isbmsd>

