CALL FOR PAPERS

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

1-3 July Lisbon, Portugal BMSD 2019

Ninth International Symposium on Business Modeling and Software Design

Chair:

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

Kevnote Lecturer:

Prof. Dr. José Tribolet, IST - University of Lisbon, Portugal

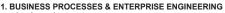


The symposium is organized by **IICREST**, co-organized by **INESC**, and technically co-sponsored by **BPM-D**. Cooperating organizations are: AUTH - Aristotle University of Thessaloniki, **TU DELFT** - Delft University of Technology, **CTIT** - the U-Twente Centre for Telematics and Information Technology, SIKS - the Nederlands 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 2019, BMSD will be held in Lisbon, Portugal, following previous events in Austria (Vienna, 2018), 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:



enterprise systems enterprise system environments and context construction and function actor roles

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

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 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 scienc 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 business-rules-driven service composition web services autonomic service behavior context-aware service behavior service interroperability change impact analysis and service management

service monitoring and quality of service services for IoT applications

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 alignment between IT architecture and business 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 goals and software integration business innovation and software evolution software technology maturity models domain-specific models croscutting concerns - security, privacy, distribution, recoverability, logging, performance monitoring

5. INFORMATION SYSTEMS ARCHITECTURES & 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 & SOFTWARE DEVELOPMENT

DATA ASPECTS IN BUSINESS MODELING & SOFTWA data modeling in business processes data flows and business modeling databases, OLTP, and business processes data warehouses, OLAP, and business analytics data analysis, data semantics, redundancy, and quality-of-data data anianysis, data semantus, redutidantic, and quanty-0-rustal data mining, knowledge discovery, and knowledge management information security and business process modeling categorization, classification, regression, and clustering cluster analysis and predictive analysis ontologies and decision trees decision tree induction and information gain business processes and entropy. business processes and entropy machine learning and deep learning - an enterprise perspective

uncertainty and context states

statistical data analysis and probabilistic business models

blockchains and security / privacy / trust issues



7. BLOCKCHAIN-BASED BUSINESS MODELS & INFORMATION SYSTEMS

blockchains for business process management blockchain schemes for decentralization the blockchain architecture - implications for systems and business processes blockchains and the future of enterprise information systems

8. IoT AND IMPLICATIONS FOR ENTERPRISE INFORMATION SYSTEMS

the IoT paradigm IoT data collection and aggregation business models and lo

Paper formats

IoT-based software solutions

IoT and context-awareness
IoT and public values
IoT applications: smart cities, e-Health, smart manufacturing.



Key dates

Paper submission deadline: 8 April 2019 (extended) Notification of acceptance: 22 April 2019 Final paper submission: 7 May 2019

Types of contributions

Regular Papers - presenting research that is completed or almost finished Position Papers - presenting an arguable opinion about

Invited Papers - submitted by best paper authors and BMSD former/future Keynotes

Full Papers - 18-page limit in the Springer LNBIP proceedings (oral presentation)
Short Papers - 10-page limit in the Springer LNBIP proceedings (oral presentation)
Posters - 4 page limit (not included in the Springer LNBIP proceedings)

How to submit a paper (7 steps)

1. View the technical scope; 2. Prepare a contribution of no less than 4 and no more than 12 pages (Springer LNCS format); 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 8th of April, putting in the Subject: "BMSD 2019, Regular/Position Paper".

Accepted papers will be presented at BMSD 2019; Full Papers and Short Papers will be included in the symposium proceedings, published by Springer, and indexed by SCOPUS, Web of Science, and DBLP.









Proceedings of previous editions

2018: https://www.springer.com/us/book/9783319942131 2017: http://www.is-bmsd.org/Documents/ProceedingsOfSeventhBMSD.pdf

2016: http://www.is-bmsd.org/Documents/ProceedingsOfSixthBMSD.pdf

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The BMSD sessions will be held at Tecnico - University of Lisboa, the most prestigious Portuguese university. Lisbon 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





