CALL FOR PAPERS

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

27-29 June Fribourg, Switzerland BMSD 2022

12th International Symposium on Business Modeling and Software Design

Chair:

Dr. Boris Shishkov. ULSIT / BAS / IICREST, Bulgaria

Kevnote Lecturer:

Prof. Dr. Hans-Georg Fill, University of Fribourg, Switzerland

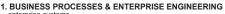


The symposium is organized by IICREST, co-organized by UNIVERSITY OF FRIBOURG, and technically co-sponsored by BPM-D. Cooperating organizations are: AUTH - Aristotle University of Thessaloniki, TU DELFT - Delft University of Technology, CTIT - the U-Twente Centre for Telematics and Information Technology, 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 2022, BMSD will be held in Fribourg, Switzerland, following previous events in Bulgaria (Sofia, 2021), Germany (Berlin, 2020), Portugal (Lisbon, 2019), 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 signs and affordances transactions

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 (rea) engineering

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 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 requirements elicitation domain-imposed and user-defined requirements requirements specification and modeling requirements analysis and verification requirements evolution requirements traceability 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 web services autonomic service behavior 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

4. BUSINESS MODELS AND SOFTWARE

service innovation

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 domain-specific models croscutting concerns - security, privacy, distribution

recoverability, logging, performance monitoring 5. INFORMATION SYSTEMS ARCHITECTURES & PARADIGMS

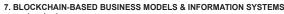
enterprise architectures service-oriented computing software architectures cloud computing

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 mining, knowledge discovery, and knowledge managemer information security and business process modeling categorization, classification, regression, and clustering cluster analysis and predictive analysis. cluster analysis and predictive analysis ontologies and decision trees decision tree induction and information gain

business processes and entropy machine learning and deep learning - an enterprise perspective uncertainty and context states statistical data analysis and probabilistic business models



smart contracts blockchains for business process management blockchains schemes for decentralization the blockchain architecture - implications for systems and business processes blockchains and the future of enterprise information systems blockchains and security / privacy / trust issues

8. IoT AND IMPLICATIONS FOR ENTERPRISE INFORMATION SYSTEMS

the IoT paradigm IoT data collection and aggregation business models and IoT IoT-based software solutions IoT and context-awareness

loT and public values loT applications: smart cities, e-Health, smart manufacturing.



Key dates

Paper submission deadline: 18 April 2022 (extended): Notification of acceptance: 25 April 2022 Final paper submission: 3 May 2022

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 - 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 18th of April, putting in the Subject: "BMSD 2022, Regular/Position Paper".

Accepted papers will be presented at BMSD 2020; Full Papers and Short Papers will be included in the symposium proceedings, published by Springer (LNBNP - Q3, SJR 0.21), and indexed by SCOPUS, Web of Science, and DBLP.









dblp





Proceedings of previous editions

2021 https://www.is-bmsd.org/Documents/ProceedingsOfEleventhBMSD.pdf 2020 https://link.springer.com/book/10.1007/978-3-030-52306-0

2019 https://www.is-bmsd.org/Documents/ProceedingsOfNinthBMSD.pdf 2018 https://www.is-bmsd.org/Documents/ProceedingsOfEighthBMSD.pdf 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







The BMSD sessions will be held at Auditoire A120 of University of Fribourg. Fribourg is a special place at the cultural border of the German-speaking and French-speaking parts of Switzerland.

For more information

t: +359 888 534435 e: secretariat@iicrest.org website: http://www.is-bmsd.org fb: https://www.facebook.com/isbmsd





