

BMSD 2017

7th International Symposium on Business Modeling and Software Design

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Organized & Sponsored by IICREST

In Cooperation with AUTH, TU Delft, CTIT, BAS, SIKS, and AMAKOTA

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

Chair: *Boris Shishkov* (Bulg. Academy of Sciences / IICREST, Bulgaria)

Keynote Speakers:

Norbert Gronau

(University of Potsdam, Germany)

Oscar Pastor

(Polytechnic University of Valencia, Spain)

Alexander Verbraeck

(Delft University of Technology, The Netherlands)



BMSD is a leading international forum that brings together researchers and practitioners interested in business modeling and its relation to software design. Since 2011, we have enjoyed six successful BMSD editions, namely: Sofia'11, Geneva'12, Noordwijkerhout'13, Luxembourg'14, Milan'15, and Rhodes'16.

Automating (partially) enterprise processes by means of software systems can only be accomplished in a methodological and systematic way, if based on corresponding enterprise models - the software components (that need to be deployed and initialized before they can be run) are to be specified and designed in such a way that they essentially stem from corresponding enterprise models. On the other hand, we may have service-based systems where we use services (running software instances) and again we need underlying enterprise models in order to be able to adequately identify and compose services since this is all about the fulfillment of (business) goals. We need underlying enterprise models because they would allow for:

- adequate reflection of business REQUIREMENTS in the system under development;
- TRACEABILITY between requirements and architecture;
- FLEXIBILITY with regard to system updates and evolution.

We would hence need underlying enterprise models no matter if we are realizing automation of processes (by means of software components) or if we are accomplishing service-based solutions. The gap between information systems (including service-based ones) and underlying enterprise models has been posing and continues to pose challenges to systems engineers, IT architects, and software developers. Thus, the scientific areas of interest to BMSD 2017 are: (i) Business Models and Requirements; (ii) Business Models and Services; (iii) Business Models and Software; (iv) Information Systems Architectures.

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

BUSINESS MODELS AND REQUIREMENTS

- Business Analysis - Value Models & Process Models
- Essential Business Models
- Re-Usable Business Models
- Relating Business Goals to Requirements
- Business Process Coordination
- Business Entities and Business Roles
- Business Data and Semantics
- Business Processes and Business Rules
- Behavior Modeling and Pragmatics
- Identification and Elicitation of Requirements
- Domain-Imposed and User-Defined Requirements
- Requirements Analysis

BUSINESS MODELS AND SERVICES

- Business Modeling and Service Science
- Relating Business Goals to Services Identification
- Service Modeling - Technology-Independent & Platform-Specific
- Business Rules and Service Composition
- Autonomic Service Behavior
- Context-Aware Service Behavior
- Re-Usable Service Models

BUSINESS MODELS AND SOFTWARE

- Business Modeling -Driven Derivation of Software
- Business Innovation and Software Evolution
- Business-IT Alignment and Traceability
- Re-Usable Business Models and Software Components
- Business Rules and Software Specification
- Business Goals and Software Integration
- Autonomic and Context-Aware Business/Software Systems
- Affective Computing and User-Aware Software Systems

INFORMATION SYSTEMS ARCHITECTURES

- Enterprise Architectures
- Service-Oriented Architectures
- Architectural Styles
- Architectural Viewpoints
- Crosscutting Concerns

Important Dates:

Regular Papers

Paper Submission: 10 April 2017 (extended)

Authors Notification: 24 April 2017

Final Paper Submission & Registration: 8 May 2017

Position Papers and Special Sessions

Paper Submission: 17 April 2017 (extended)

Authors Notification: 24 April 2017

Final Paper Submission & Registration: 8 May 2017

Types of Contributions

Regular Papers - presenting research that is completed or almost finished;

Position Papers - presenting an arguable opinion about an issue;

Invited Papers - submitted by best paper authors and BMSD former/future Keynote Lecturers.

Venue

The BMSD sessions will be held at Hesperia Sant Just NH Hotel. Hesperia Sant Just is an excellent conference facility in Barcelona, part of the Spanish NH Hotel Group. Barcelona is among the most popular cities in the World and also one of the top conference destinations, and this is because of Barcelona's 2000+ years of history, its Medieval past, its artistic spirit, its impressive modernistic architecture (in some districts), its Gaudi and Miro heritage, the Mediterranean influence and cosmopolitanism, its scientific Community and ICT advances as well as successes in culture and sports.