

BMSD 2016

Sixth International Symposium on Business Modeling and Software Design

Rhodes, Greece • 20-22 June 2016

Organized & Sponsored by IICREST, Co-Organized by Aristotle Univ. of Thessaloniki

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

Technically Co-Sponsored by BPM-D

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

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

Keynote Speakers:

Paris Avgeriou (University of Groningen, The Netherlands)

Jan Juerjens (TU Dortmund, Germany)

Mathias Kirchmer (BPM-D, USA)



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 five successful BMSD editions, namely: Sofia 2011, Geneva 2012, Noordwijkerhout 2013, Luxembourg 2014, and Milan 2015.

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 2016 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: 7 March 2016

Authors Notification: 19 April 2016

Final Paper Submission & Registration: 2 May 2016

Position Papers and Special Sessions

Paper Submission: 23 March 2016

Authors Notification: 21 April 2016

Final Paper Submission & Registration: 2 May 2016

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 Rodos Palace Convention Center. Rodos Palace constitutes the finest deluxe resort complex on the beautiful Greek island of Rhodes, being ideally located within 4 km from the city of Rhodes. Once in the city, a visitor would be amazed at the diversity of attractions around: (i) Less than 3 km away is the Upper Acropolis of Ancient Rhodes, where are several important ancient monuments, including the temple of Pythian Appolo, the Theater, and the Stadium, all dating back to 2nd century B.C. (ii) Just in the city is the Medieval Town - there (inside the walls) live approximately 6000 residents who are lucky to enjoy the spirit of Rhodes' unique history, reflected not only in the ruins of the Church of Our Lady of Chora but also in all monuments featuring different periods in the island's history, including the Byzantine period, the Roman period, the six centuries of the Knights of St. John, the Turkish occupation, the Italian liberation, the British presence, and so on. (iii) Next to the Medieval Town is Mandraki, the harbor of ancient Rhodes beyond which is the New Town, dominated by Kyprou Square, where are to be found some of the finest boutiques in Rhodes, jewellery stores, fabric shops, modern restaurants/cafes and nearly all the banks. (iv) At the same time, visitors may also enjoy some beautiful beaches around, including the two small beaches in the city and the 5 km of golden sand and crystal-clear waters of Faliraki which is less than 15 km away. Hence, the beautiful city of Rhodes is the ideal starting point in exploring this "Paradise Island" which is also known as the Emerald isle, the Isle of Dreams, the Isle of Roses, and which is associated with myths and legends. This for sure will stimulate participants for an inspiring and productive scientific event.