

# BMSD 2015

## Fifth International Symposium on Business Modeling and Software Design

Milan, Italy • 6-8 July 2015

Organized and Sponsored by IICREST, Co-Organized by Politecnico di Milano  
In Cooperation with AUTH, SIKS, and CTIT

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

Chair: *Boris Shishkov* (IICREST, Bulgaria)

Keynote Speakers:

*Marijn Janssen* (TU Delft, The Netherlands)  
*Barbara Pernici* (Politecnico di Milano, Italy)



BMSD is a leading international forum that brings together researchers and practitioners interested in business modeling and its relation to software design. We are proud of the previous successful editions of BMSD, namely: Sofia 2011, Geneva 2012, Noordwijkerhout 2013, and Luxembourg 2014.

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 2015 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: 9 March 2015

Authors Notification: 20 April 2015

Final Paper Submission & Registration: 4 May 2015

### **Position Papers and Special Sessions**

Paper Submission: 23 March 2015

Authors Notification: 23 April 2015

Final Paper Submission & Registration: 4 May 2015

## **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**

Milan is not only one of the most beautiful Italian cities but it is also considered the Italian economic and finance center, with the headquarter of the Stock Exchange and of important industrial and financial businesses of Italy, having a population of 1.3 million. It is also the Italian symbol of fashion and design: it hosts many Italian fashion maisons and international design fairs, such as " Settimana della Moda" (Milan Fashion Week) and the "Salone Internazionale del Mobile" (Milan Furniture Fair). The city offers the possibility to admire monuments, museums and buildings reflecting the vestiges of history and culture left by the people who lived here. The ancient Roman remains, the Duomo, one of the largest cathedrals in the world and an important example of Gothic architecture in Italy. The Castello Sforzesco that hosts the Michelangelo's "Pieta Rondanini". The church of Santa Maria delle Grazie where is the famous masterpiece "The Last Supper" by Leonardo da Vinci. Expo 2015 is the next scheduled Universal Exposition and will be hosted in Milan. The Expo goal is no longer to show advances in technology, but rather to address the challenges that human mankind faces nowadays. The Expo'15 theme will be: Feeding the planet, energy for life. It would be thus great hosting BMSD'15 in Milan, an particularly at Politecnico di Milano, founded in 1863. Important scientists studied and taught there, among them A. Castiglioni, G. Ponti, R. Piano and A. Rossi, both Pritzker Prize in 1990 and 1998 respectively, and Giulio Natta, Nobel Prize in Chemistry in 1963.