

# CALL FOR PAPERS

2<sup>nd</sup> International Symposium on Business Modeling and Software Design  
BMSD 2012

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

Geneva (Switzerland), 4-6 July

Organized by IICREST

In cooperation with CTIT, INSTICC and TU Sofia

Hosted by University of Geneva

The Second International Symposium on Business Modeling and Software Design (BMSD 2012) provides a specialized forum to researchers and practitioners who are interested in business modeling and its relation to software design. The scientific areas of interest to the symposium are in the following directions: (i) Business Models and Requirements; (ii) Business Models and Services; (iii) Business Models and Software; (iv) Information Systems Architectures. Each year, a special theme is chosen, for making presentations and discussions more focused. The theme of BMSD'11 is:

Adequate business models are of huge importance not only for understanding and re-engineering an organization but also for automating (part of) its processes by means of software systems. Not grasping correctly and exhaustively a business system would lead inevitably to consequent software failures. BMSD 2011 is addressing these challenges, by considering a large number of research topics: from more abstract ones, such as *essential business models* to more technical ones, such as *software specification*, from more business-oriented ones, such as *business process management and coordination*, and *requirements specification* to *IT architectures* -related topics.

All papers accepted and registered for the symposium will be published by SciTePress in the BMSD'12 proceedings under an ISBN reference and only the presented papers will be added to the SciTePress digital library.

Extended versions of the best BMSD'12 papers will be published as a volume in Springer's LNBIP series

A short list of presented papers will be selected so that revised and extended versions of these papers will be published in a special issue of the International Journal 'Enterprise Modelling and Information Systems Architectures' (EMISA).

#### IMPORTANT DATES:

Regular Paper Submission: March 28, 2012

Authors Notification (regular papers): April 27, 2012

Camera-ready Submission and Registration: May 10, 2012

#### CHAIR

Boris Shishkov, IICREST, Bulgaria

#### KEYNOTE SPEAKERS

Jan Dietz, Delft University of Technology, The Netherlands

Ivan Ivanov, SUNY Empire State College, USA

Dimitri Konstantas, University of Geneva, Switzerland

Marten van Sinderen, University of Twente, The Netherlands

#### PROGRAM COMMITTEE

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Joaquim FILIPE, Polytechnic Institute of Setúbal, Portugal

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Ilian ILKOV, IBM, The Netherlands  
Ivan IVANOV, SUNY Empire State College, USA  
Dimitris KARAGIANNIS, University of Vienna, Austria  
Marite KIRIKOVA, Riga Technical University, Latvia  
Samuel KOUNEV, Karlsruhe Institute of Technology, Germany  
José Paulo LEAL, University of Porto, Portugal  
Kecheng LIU, University of Reading, UK  
Leszek MACIASZEK, Macquarie University, Australia / University of Economics, Poland  
Jelena MARINCIC, University of Twente, The Netherlands  
Michele MISSIKOFF, Institute for Systems Analysis and Computer Science, Italy  
Dimitris MITRAKOS, Aristotle University of Thessaloniki, Greece  
Preslav NAKOV, National University of Singapore, Singapore  
Ricardo NEISSE, University of Kaiserslautern, Germany  
Bart NIEUWENHUIS, University of Twente, The Netherlands  
Selmin NURCAN, University Paris 1 Pantheon Sorbonne, France  
Olga ORMANDJIEVA, Concordia University, Canada  
Robert PARHONYI, Inter Access, The Netherlands  
Marcin PAPRZYCKI, Polish Academy of Sciences, Poland  
Oscar PASTOR, Universidad Politécnica de Valencia, Spain  
Erik PROPER, Public Research Centre - Henri Tudor, Luxembourg  
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Linda TERLOUW, ICRIS B.V., The Netherlands  
Yasar TONTA, Hacettepe University, Turkey  
Roumiana TSANKOVA, Technical University - Sofia, Bulgaria  
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Mladen VELEV, Technical University - Sofia, Bulgaria  
Kris VEN, University of Antwerpen, Belgium  
Maria VIRVOU, University of Piraeus, Greece  
Martijn WARNIER, Delft University of Technology, The Netherlands  
Shin-Jer YANG, Soochow University, Taiwan  
Benjamin YEN, University of Hong Kong, China  
Fani ZLATAROVA, Elizabethtown College, USA

## TOPICS:

### **BUSINESS MODELS AND REQUIREMENTS**

- Business Analysis - Value Models and 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 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 the Identification of Services
- Service Modeling - Technology-independent and 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

### **INFORMATION SYSTEMS ARCHITECTURES**

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

## VENUE

The BMSD'12 sessions will be held in Auditorium M R070, at the UNIMAIL building of University of Geneva, 40 Boulevard du Pont d'Arve, 1211 Geneva, Switzerland.

Geneva is the second-most-populous city in Switzerland (after Zürich) and the most populous city of Romandie, the French-speaking part of Switzerland. Situated where the Rhone exits Lake Geneva, it is the capital of the Republic and Canton of Geneva. While the municipality itself (city centre ville de Genève) has a population of 191,415, the canton of Geneva (République et Canton de Genève, which includes the city) has 457,628 residents. Geneva is a global city, a financial centre, and a worldwide centre for diplomacy and the most important UN international co-operation centre with New York thanks to the presence of numerous international organizations, including the headquarters of many of the agencies of the United Nations and the Red Cross. It is also the place where the Geneva Conventions were signed, which chiefly concern the treatment of wartime non-combatants and prisoners of war. Geneva has been described as the third European financial centre after London and Zurich, and the world's eighth most important financial centre by the Global Financial Centres Index, ahead of Frankfurt, and a 2009 survey by Mercer found Geneva to have the third-highest quality of life of any city in the world (narrowly outranked by Zürich). The city has been referred to as the world's most compact metropolis and the "Peace Capital". In 2009, Geneva was ranked as the fourth most expensive city in the world.