The First International Symposium on Business Modeling and Software Design (BMSD
2011) 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:

BUSINESS MODELS AND ADVANCED SOFTWARE SYSTEMS.

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’11 proceedings under an ISBN reference and only the presented papers will be
added to the SciTePress digital library.

Extended versions of the best BMSD’11 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: May 2, 2011 (extended)
Authors Notification (regular papers): May 13, 2011 (extended)
Camera-ready Submission and Registration: May 27, 2011 (extended)

CHAIR
Boris Shishkov, IICREST, Bulgaria

KEYNOTE SPEAKERS
Mehmet Aksit, University of Twente, The Netherlands
Dimitar Christozov, American University in Bulgaria - Blagoevgrad, Bulgaria
Bart Nieuwenhuis, University of Twente, The Netherlands

PROGRAM COMMITTEE
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Rafael Gonzalez, Javeriana University, Colombia
Clever Ricardo Guareis de Farias, University of Sao Paulo, Brazil
Markus Helfert, Dublin City University, Ireland
Philip Huysmans, University of Antwerpen, Belgium
### 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 BMS'D11 sessions will be held in the MOUSSALA I conference room, at Hilton Hotel in Sofia, Bulgaria.

Sofia is the capital and the largest city of the Republic of Bulgaria. Ringed by the Vitosha Mountain (a national park and fascinating destination for eco-tourism) to the south, Sofia stands on an open plane at 550 m above sea level. Since ancient times the city has been famous for the abundance of cold and thermal mineral water springs in and around it. The water is still available today and is highly praised for its numerous qualities.

'Sofia' means 'Holy Wisdom' and is derived from the name of the antique cruciform basilica of Saint Sophia (5th century AD) which is still preserved, representing one of the main tourist attractions of the modern city. The first settlement on the site was established around twenty-two hundred centuries ago by the Thracian tribe of Serds. It is their ethnic name that was taken by the Romans for Serdica in the first half of 1st century AD, when they took the town into their possession and built a large rectangular fortress, the remains of which can still be seen. The antique city of Serdica flourished under Emperor Aurelian who turned it to the centre of the Roman province of Dacia Interna, and especially - under the reign of Emperor Constantine the Great in the early 4th century AD, the founder of the Eastern Roman Empire known as Byzantium. Serdica was Constantine's preferred place of residence over Constantinople, and he used to say that, 'Serdica is my Rome!'

Today the unique remains of his Rotunda court church of St. George are among the major landmarks of Sofia.

The establishment of the modern capital in the end of 19th century has coincided with laying of the foundations of Sofia University of St. Clement of Ochrid, the largest academic institution in Bulgaria, and among the most important in the Balkans. Its building shaped in sumptuous neo-Baroque style is an impressive site-seeing in itself. In the recent years Sofia is featured by a dynamic development of its modern business facilities and cosmopolitan spirit, while at the same time is offering enchanting opportunities for leisure and amusements, with its quality clubs and restaurants, variety of art galleries and museums, the Opera and 'Bulgaria' concert hall, curious archaeological and architectural sites.