

BMSD 2014

Fourth International Symposium on Business Modeling and Software Design

Luxembourg, Grand Duchy of Luxembourg, 24-26 June, 2014

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



Business / Enterprise models and architectures are in the focus of a great number of researchers and practitioners not only because enterprise complexity increases but also because it is becoming more and more evident that information systems development failures would be inevitable without adequate underlying business models. It is therefore claimed that software generation should essentially have its roots in corresponding enterprise engineering models. Nevertheless, the gap between information systems and underlying business models continues to pose challenges to systems engineers, IT architects, and software developers. Hence, the scientific areas of interest to BMSD 2014 are: (i) Business Models and Requirements; (ii) Business Models and Services; (iii) Business Models and Software; (iv) Information Systems Architectures. The topics of interest for the symposium include, but are not limited to:

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-indep. & 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:

Paper Submission: February 17, 2014

Authors Notification: March 31, 2014

Final Paper Submission and Registration: April 15, 2014

Types of Contributions

Regular Papers: A regular paper presents a work where the research is completed or almost finished. A manuscript submitted as "regular paper" may be accepted either as a "full paper" or as a "short paper", or as a "poster".

Position Papers: A position paper presents an arguable opinion about an issue. The goal of a position paper is to convince the audience that a stated opinion is valid and worth listening to, without the need to present completed research work and/or validated results. It is, nevertheless, important providing some kind of evidence for ensuring the validity of the stated claims. A position paper may be a short report and discussion of ideas, facts, situations, methods, procedures or results of scientific research (bibliographic, experimental, theoretical, or other) focused on one of the symposium topic areas. A manuscript submitted as "position paper" may be either accepted as a "short paper" or as a "poster" - a position paper is not a candidate to acceptance as "full paper".

Invited Papers: A limited number of invited papers will be considered in 2014: ONLY the BMSD'13 authors selected for the Springer-Verlag LNBIP Series book will be considered for inv. paper submissions, and also former/future BMSD Keynote Lecturers.

Venue

Luxembourg is the capital of the Grand Duchy, one of the founder states of the European Union, where about 43 per cent of the 510.000 inhabitants are foreign. This multicultural ambience of day-to-day contact with people from the four corners of the earth gives the small state an astonishingly cosmopolitan outlook - not least thanks to the European institutions and the financial centre. But of course it is far easier to get around the capital (100.000 inhabitants) than it is in Berlin or Paris. The distances are short. There is a lively nightlife scene around the fashionable bars of Hollerich, Grund and Clausen in the capital, or in the Rockhal and the Kulturfabrik at Esch / Alzette. Furthermore, there are plenty of sports, leisure activities as well as events: cinemas and climbing parks, mountain bike trails and an enormous cultural range - from jazz in the mediaeval city, contemporary art at MUDAM, theatre in every language or classical music in the most beautiful new building in Luxembourg, the Philharmonie. All this set against the romantic backdrop of the mediaeval city (a UNESCO world heritage site since 1994), the castles in the richly-forested north and the vineyards along the Mosel.

Chair:

Boris Shishkov, IICREST, Bulgaria

Keynote Speakers:

Erik Proper, Public Research Centre "Henri Tudor", Luxembourg

Roel Wieringa, University of Twente, The Netherlands

Organized and Sponsored by IICREST, In Collaboration with Public Research Centre "Henri Tudor",

In Cooperation with: Aristotle University of Thessaloniki, SIKS Research School, CTIT, and AMAKOTA Ltd.