

Message from the Chairs

Welcome to the 1st International Workshop on the Interrelations between Requirements Engineering & Business Process Management (REBPM). The workshop takes place on August 25th, 2014 in conjunction with the 22nd IEEE International Requirements Engineering Conference (RE'14) in Karlskrona, Sweden.

Motivation and Goal

While RE is concerned with eliciting and managing requirements related to a particular (software) system, BPM deals with modeling and managing organizational processes and business objectives. Because information technology is an enabler of business change and business processes are often some part of the software requirements both domains are heavily interrelated, which is also demonstrated by overlapping use of concepts and artifacts.

Business processes modeling, for example, serves as an interface between both domains since the models combine knowledge about the business and the involved (software) systems.

The methods and processes concerned with the business people, while trying to achieve similar goals, differ from those concerned with the software/requirements engineers. The goal of this workshop is to analyze and discuss the relations between both domains in order to get an understanding of their joint usefulness and mutual benefits in organizational management and process and software development from both a research and practical point of view so that methods and shared models can be developed in the future.

The detailed goals of this workshop are:

- Presenting and discussing research and experience reports concerning the combination of RE and BPM, shared methods between them, and interface definition (development process and artifacts) between them,
- Discussion of RE and BPM commonalities and differences,
- Exchange of ideas and problem statements between researchers and practitioners,
- Identification of open problems in practice, possibilities for better exchange of development artifacts, and integrated development processes between both domains.

Organization

REBPM 2014 is an initial workshop on this topic. Therefore, it is planned as a work meeting with discussion groups. The groups shall be inspired by some paper presentations in order to foster discussion.

After an introduction, theoretical reflections and problem statements will be presented. Problem statements finish with an open problem description. These problem descriptions will be discussed by participants and organizers. In the finishing slot the results are discussed and gathered and further work will be defined.

All papers have been assigned to at least two reviewers. Some papers had a clear review decision, other an ambiguous one, but with strong potential to foster the discussion.

Workshop contributions

We are glad about the international support to this workshop. Business Process Management and Business Process Modelling is often associated with ERP systems and we started with a team of German colleagues from industry and university, who are working on this topic for long term. The program committee is international with colleagues from Europe, Israel and Canada – and the authors of the papers come from Japan, Korea, Turkey, and Germany. We expect to see interesting differences and similarities to foster the discussion and hope that the results will be a good base for a future international collaboration on this topic.

Masahiro Ide et al. present *An IT-Driven Business Model Design Methodology and Its Evaluation*. This methodology comprises methods to visualize and analyze the business architecture as well as the system architecture and a mapping method between both.

In a similar context but with a different practical oriented approach Christian Erfurth and Ivonne Erfurth discuss *Towards Business Alignment of IT Services in Universities, Challenges in Elicitations of Requirements for IT Services* in the special environment of universities that differs from a “typical” commercial organization.

The cultural difference is also a matter in the case study of Jiyoung Jung et al. on *Requirements Process Improvement* in a big electronic company in Korea. The authors analyze the impact of organizational culture on the RE process, which is originally a “western” type of process.

Two author teams work on the analysis of requirements in the context of Business Process Modeling. Banu Aysolmaz and Onur Demirörs describe a case study on *Deriving User Requirements from Business Process Models for Automation*. The paper of Michael Heß et al., *An Approach to Analyze Requirements for Domain-Specific Languages in the Realm of Multi-Perspective Hospital Modelling*, discusses a meta-level in modeling: They report about the development of a Domain-Specific Modeling Language in a specific hospital context.

In contrast to these papers, Richard Braun and Hannes Schlieter focus on modeling and describe the *Requirements-based Development of BPMN Extensions* in a domain-specific context, using the procedure model of Stroppi et al.

The diversity of these papers submitted to our workshop shows different aspects of the interrelationship between RE and BPM and we hope to get a “first big picture” as result of this first REBPM workshop, which could be painted in a more detailed way in further workshops.

Robert Heinrich
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REBPM 2014 Co-chairs

REBPM 2014 Organization

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