2nd Workshop Requirements Engineering & Business Process Management (REBPM)

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While Requirements Engineering (RE) is concerned with eliciting and managing requirements related to a particular (software) system, Business Process Management (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 as well as requirements engineers. The goal of the REBPM workshop series 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, process design 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 workshop series is organized by the working group "Requirements Engineering and Business Process Management" of the German Informatics Society (GI). This working group brings researchers and practitioners together to discuss the interlocking from both RE and BPM fields (www.rebpm.org).

In this year's workshop, three papers are presented that discuss the overlapping field of BPM and RE from different perspectives.

During the implementation of a business function, a conceptual view is taken during the phase of requirements engineering. Requirements analysts start with thinking about the requirement by designing an overall business process. For describing the elements of a business process, natural language is used that can be ambiguous and later lead to misunderstandings. Ralf Laue focuses in his paper "Qualität von Geschäftsprozessmodellen aus dem Blickwinkel der Anforderungsanalyse" on the quality of business process models from a requirements engineering perspective due uncertain language.

Another problem can be changing requirements as in agile development projects. David

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Kuhlen and Andreas Speck discuss in their paper “The potentials of a code generator to face the stress ratio of requirements engineering processes in agile development projects” the usage of a code generator that supports the requirements engineering processes.

Johannes Schubert and Lisardo Prieto-González recommend in their paper “Requirements Engineering and Business Process Management as preconditions for the application of the Cloud Blueprinting Model” the integration of a requirements standard classification to enhance the interoperability in case of Business Processes as a Service, increasing the semantic concept of the solution, and reducing potential risks derived from an unstructured analytics development phase.