



Call for Papers

Name of Workshop: **Workshop on the Interplay of Requirements Engineering and Project Management in Software Projects (REProMan)**

Time and place: 30th August, Paris, at the RE'05 Conference

Objectives:

Requirements engineering usually is regarded as a technical discipline and project management as a managerial activity. They are often treated separately, although in real software projects they are interrelated in both directions and in many ways. Project management usually treats requirements engineering as a black box. On the other hand requirements engineering only incoherently treats management constraints like project scope, communication issues, risk and change management. Project success would profit from a much tighter integration. Project management should not only assure the necessary frame for successful requirements engineering, but also impose restrictions on the requirements engineering process and the identified requirements. In the opposite direction the requirements engineer should support project success by providing the manager with important information like status of requirements, risks and problems.

Possible **workshop themes** include, but are not limited to:

- The roles of the requirements engineer and project manager: tasks, input and output. One example is the estimation of progress of the requirements specification process.
- The gap between theory and reality, especially concerning the interaction between project management and requirements engineering. For instance, the influence of the terms of contract of a software project on its requirements engineering process.
- How to review specifications to ensure that the project will be successful? Is this product still worth building? Do the users really want the product? Does the amount of time they did invest into the specifications tell us this? Will the product deliver the benefits promised at the outset of the project when the project team were optimistic? How much will it cost to build? Is it worthwhile to invest in this project? What factors make for suitable investments, and what can the requirements people provide to aid the decision?
- Cost estimation: Cost of constructing a single atomic requirement? How many function points are represented by one well-formed requirement?
- Management of requirements related risks.
- Management related risks for requirements engineering.

- Change Management, for example securing congruence between project plan and requirements specification document, especially in an iterative process.
- How to divide requirements for software engineers to be implemented?

Expected outcomes:

Characterization of roles, activities and processes, especially at the interface of RE and project management: What does the project manager deliver to the requirements engineer and vice versa? How do both roles and disciplines play together in the field of change and risk management?

Identification of benefits and risks in the interplay of requirements engineering and project management.

Experience reports about the interaction of RE and project management, leading to hypotheses as a basis of further research.

Targeted Attendees:

The workshop invites participants, researchers as well as practitioners from industry who are responsible for or involved in requirements specification or project management. A fifty-to-fifty mix of industry and research participants would be ideal for an exchange of knowledge and ideas in both directions.

The workshop is open to all conference participants.
We aim for 10-20 attendees (to allow for intense discussion).

Workshop Paper Format and Evaluation:

The workshop invites paper submission for oral presentation and inclusion in the workshop proceedings.

We will be accepting two types of submissions, short position papers and full technical papers. Both types of papers should tackle one of the topics or questions from the themes section below.

- **Position papers (3-5 pages).** Short papers, stating the position of the author(s) on any of the topics within the scope of the workshop. For example, positions papers could describe a case study in industry or in teaching. Position papers will be evaluated based on their potential for generating discussion, and on the originality of the positions expressed.
- **Technical papers (8-10 pages)** Full papers either describe working experience (in industry or teaching) at the interface of requirements engineering and project management or the results of a research effort.

Submissions will be accepted via email at andrea.herrmann@informatik.uni-heidelberg.de. All paper submissions should be in the IEEE CS Press Proceedings format (see <http://www.computer.org/cspress/instruct.htm>).

All paper submissions will be refereed by the Program Committee. The workshop proceedings will be published on the workshop website, both full papers and position papers. Probably there will also be printed proceedings.

Authors are requested to present their accepted paper at the workshop.

Important dates:

15th June 2005	Paper Submission
20th July 2005	Author notification
1st August 2005	Camera ready papers
30th August 2005	Workshop

Workshop format:

The workshop will take one day.

In the first half of the workshop, there will be presentations and discussion of submitted papers. During the afternoon, we will synthesize the ideas and identify open questions for further research.

Workshop Website:

<http://www-swe.informatik.uni-heidelberg.de/events/REProMan/rep05.htm>

Workshop Organizers:

Dr. Andrea Herrmann, University of Heidelberg, Germany

Marjo Kauppinen, Helsinki University of Technology, Finland

Dr. Sari Kujala, Helsinki University of Technology, Finland

Prof. Soren Lauesen, IT University of Copenhagen, Denmark

Prof. Barbara Paech, University of Heidelberg, Germany

James Robertson, The Atlantic Systems Guild, United Kingdom

Program Committee

Sushil Birla	General Motors
John Favaro	independent consultant, Italy
Ralf Fahney	independent consultant, Germany
Andrea Herrmann	University of Heidelberg, Germany
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Uolevi Nikula	Lappeenranta University of Technology, Finland
Barbara Paech	University of Heidelberg, Germany
James Robertson	The Atlantic Systems Guild, United Kingdom
Didar Zowghi	University of Technology, Sydney, Australia