



# MaRK '10

Third International Workshop on Managing Requirements Knowledge  
in conjunction with the 18th IEEE Requirements Engineering Conference (RE'10)  
Sydney, Australia, September 27th - October 1st, 2010  
[www1.cs.tum.edu/mark10](http://www1.cs.tum.edu/mark10)

## Call for Contributions

### Motivation

Research has shown that capturing and sharing of tacit knowledge about requirements (a) enhances reuse, (b) enables traceability, (c) supports requirement evolution and (d) improves collaboration between participants in distributed projects. Adding to this, recent results indicate that rationale approaches could be effectively used to manage product line variability and could enhance the longevity of software systems. From an industrial perspective, to accept a requirement, this is critical to know why the requirement is required and in which project context is the requirement needed. These issues are often discussed in telephone calls and emails, which makes it difficult to maintain and share the information during the life of a requirement. In the age of agile methodologies and with the increasing distribution, scale and complexity of development projects, the need for managing requirements knowledge continues to rise. The major constraint is to have a lightweight, usable, intelligent, contextualized and personalized capturing and sharing approach. Requirement engineering infrastructures should capture and formalize tacit knowledge and stakeholders should be able to answer questions about requirements at any time, using their common vocabularies.

Recent advancements in knowledge management such as ontological engineering, mining techniques, semantic annotation as well as search and assistance tools brings new potentials for the requirements engineering community. Therefore, this workshop discusses the issues, approaches and tools regarding capturing, externalizing, accessing, sharing and maintaining of knowledge in requirements engineering.

### Topics of Interest

The topics of the workshop include, but are not restricted to:

- Approaches for knowledge capture and sharing during requirements elicitation, specification, analysis and change management
- Automatic and context-aware capture of problem domain knowledge
- Mining requirements repositories
- Intelligent assistance tools such as semantic search and recommendation on requirements
- Context-awareness tools for supporting requirements elicitation, analysis, traceability, and reuse
- Ontology-based requirements and traceability management
- Capture and maintenance of rationale information for volatile and evolving requirements
- Rationale management for variability, product lines and service-oriented architectures
- Empirical studies on advantages and drawbacks of particular knowledge management approaches
- Applying machine learning to requirements engineering

### Types of Contributions

- Long papers (up to 10 pages) that describe ongoing work, preliminary results, or formal demonstrations of tools. They will be reviewed for topicality, novelty, and potential to spark useful discussions in the workshop—a subset of these will be selected for presentation during the workshop, the remaining accepted long position papers will be part of a poster session.
- Short papers (up to 5 pages) that describe new ideas, recent experiences, or preliminary tool support. They will be reviewed for topicality and potential to grow into substantive research contributions. Accepted short position papers will be invited to a poster/informal demonstration session.

### Important Dates

Submissions deadline	June 20, 2010
Acceptance notification	July 28, 2010
Early bird registration ends	August 2, 2010
Camera ready	August 16, 2010
MaRK'10 Workshop	September 27, 2010

### Submission

Submissions are to be done via EasyChair from the workshop home page. Only electronic submissions are accepted. To be considered for review, a paper submission must be in the IEEE CS Press Proceedings format. (<http://www.computer.org/cspress/instruct.htm>) Paper submissions must not exceed 5 pages for a position paper or 10 pages for a full paper.

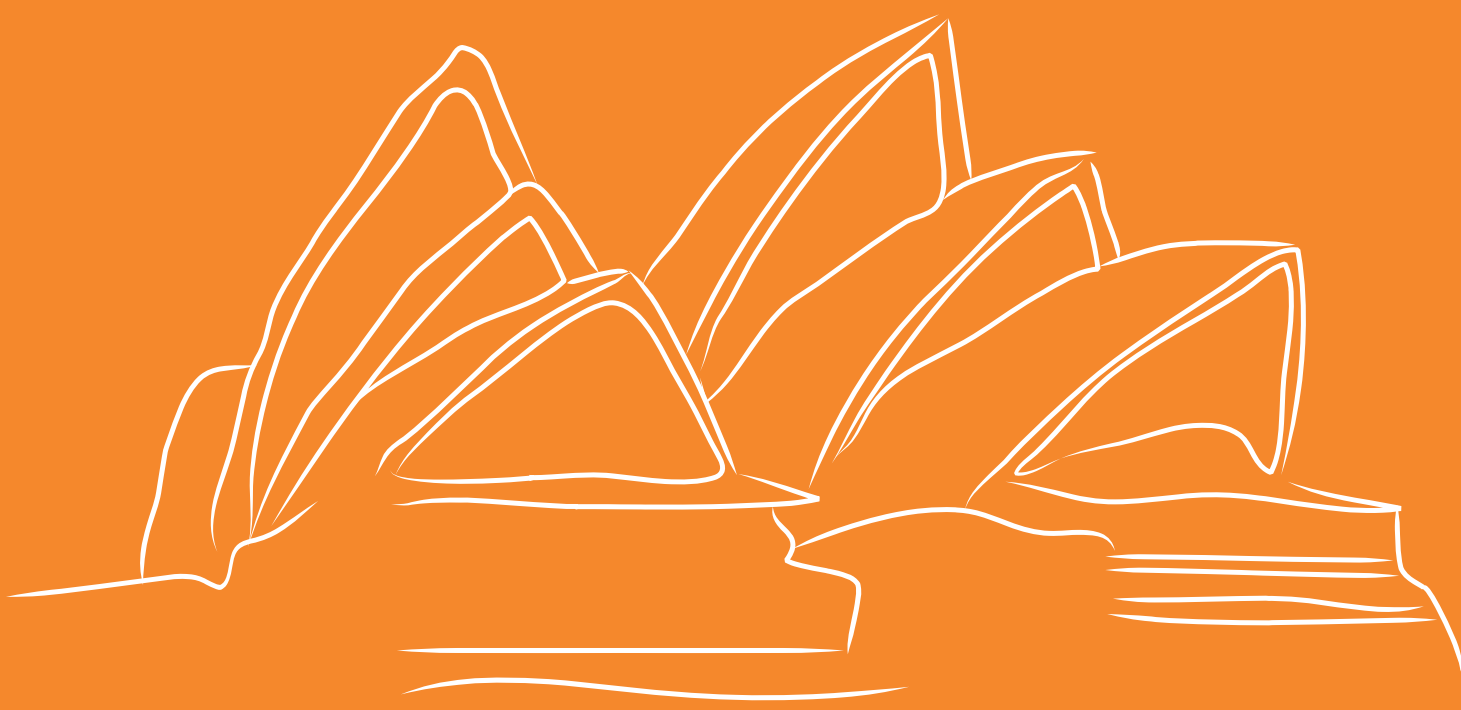
Submitted papers will be reviewed by at least three members from the MaRK'10 program committee. Papers will be accepted based on originality and relevance to the workshop. Accepted papers will be published as workshop proceedings in the IEEE Digital Library. At least one author should participate at the workshop.

### Organizers

Walid Maalej, TU Muenchen, Germany  
Anil Kumar Thurimella, Harman Becker, Germany  
Alexander Felfernig, TU Graz, Austria

### Program Committee

Paul Grünbacher, Johannes Kepler University, Austria  
Imed Hammouda, Tampere University of Technology, Finland  
Hans Jörg Happel, FZI Research Center, Germany  
Jane Cleland-Huang, DePaul University, USA  
Pete Jones, Phonak, Switzerland  
Lin Liu, Tsinghua University in Beijing, China  
Nancy Mead, CMU, USA  
Hans W. Nissen, FH Koeln, Germany  
T. Maruthi Padmaja, University of Hyderabad, India  
Barbara Paech, University of Heidelberg, Germany  
Gil Regev, EPFL / Itecor, Switzerland  
Juha Savolainen, Nokia, Finland  
Pete Sawyer, Lancaster University, UK  
Paul Swatman, Solution Forest, Australia  
Klaus Schmid, University of Hildesheim, Germany  
Kurt Schneider, University of Hannover, Germany  
Tom Zimmermann, Microsoft, USA



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