



MaRK '09

Second International Workshop on Managing Requirements Knowledge
in conjunction with the 17th IEEE Requirements Engineering Conference (RE'09)
Atlanta, USA - September 1st, 2009
www1.cs.tum.edu/mark09

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

- Short papers (3-5 pages) state the position of the authors within the scope of the workshop, and can describe solution concepts in a premature state.
- Full papers (6-10 pages) describe problems, needs, novel approaches and frameworks within the scope of the workshop. Evaluations of new approaches are to be included in a full paper. Empirical evaluation papers and industrial experience reports are also welcome for submissions.
- Posters and demo papers (1-2 pages) summarize work results.

Important Dates

Submissions deadline	June 15th, 2009
Review feedback	July 15th, 2009
Camera ready	August 1st, 2009
Workshop	September 1st, 2009

Submission

Submissions are to be done via EasyChair from the workshop homepage. 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'09 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.

Program Committee

Mike Alexander, Seilevel, TX, USA
Hans-Joerg Happel, FZI Karlsruhe, Germany (Co-chair)
Jane Cleland-Huang, DePaul University, USA
Leonid Kof, University of Passau, Germany
Seok-Won Lee, University of North Carolina, USA
Walid Maalej, TU Muenchen, Germany (Co-chair)
Gregoris Mentzas, National Technical University of Athens, Greece
Ivan Mistrik, Independent consultant, Germany
Bashar Nuseibeh, The Open University, UK
Barbara Paech, University of Heidelberg, Germany
Juha Savolainen, Nokia, Finland
Klaus Schmid, University of Hildesheim, Germany
Bikram Senguptha, IBM Research, India
Anil Kumar Thurimella, Harman Becker, Germany (Co-chair)
Tim Trew, Philips, NXP Semiconductors, Neatherlands
Timo Wolf, Siemens, Germany