



International Workshop on Tool Support and Requirements Management in Distributed Projects (REMIDI'07)

Call for Papers
in conjunction with

International Conference on Global Software Engineering (ICGSE 2007)

Munich, Germany. August 27, 2007

Today, distributed projects, often subsumed under terms like global software development (GSD), global collaboration, offshoring etc. are common ways to overcome time restrictions or lack of resources. Thus, today's projects take place in a global context. But developing software with geographically distributed teams presents a unique set of challenges that influence virtually all aspects of a project and make them more complex. In these types of projects many aspects of project members' daily work have to be reconsidered. For example, there is a lack of proven RE concepts and practices in the context of GSD. Also aspects like knowledge management and project tracking ask for appropriate tools to help project members reaching their goals.

Besides other challenges, planning, coordinating and controlling of requirements engineering, implementation and testing in distributed settings are far more complex than in one-site projects. First, the processes of requirements elicitation, system modelling, coding, testing and rollout need to be planned and organized differently. Second, the methods used to share and discuss early design ideas, coding decisions or test results need to take into account the fact that some project members involved in these phases and tasks are spread over multiple sites and organisations and don't have contact to end-users. For all these tasks, a sophisticated tool chain is needed. Experience shows that such an appropriate tool chain increases efficiency and success of distributed projects since coordination and collaboration are far more complex than in on-site projects and need to be properly supported. This is why we focus on this aspect.

The workshop will walk through the methods, tools and concepts that are or should be used in requirements engineering, software development and testing in global software development projects. The participants will present and discuss best practices and new approaches in the area of application development systems and supporting tools.

One of the main objectives of this workshop is to structure the major research topics and to define a research agenda for further work in the area of tool support in distributed system development. In summary, the workshop will include different aspects of infrastructure and tools in a GSD context, e.g.:

Schedule

- May 29** Deadline for paper submission to the workshop organizers
- June 6** Decision of acceptance to paper authors
- June 9** Deadline for early registration
- July 31** Final version of accepted papers due, according to IEEE standards
- August 27, 2007** REMIDI Workshop

Paper submission

Papers must be submitted electronically by email to the organizers. Your paper must conform to the IEEE proceedings publication format (8.5" x 11", Two-Column Format) described at [IEEE/CPS](#) and be no longer than 6 pages including all text, references, appendices, and figures. Your submissions should be in PDF format. Submissions that exceed the page limit or do not comply with the proceedings format will be desk rejected without review. The results described must not be under consideration for publication elsewhere.

- *Tooling*: Which are the issues inherent with GSD? How to support global development project with tools in an appropriate way? Are the tools for project management or workflow-support different to those used in on-site projects?
- *Administration and tracking of architectural documents*: What are the consequences for the process and the design tools if the process of architecture definition is distributed?
- *Process support*: What does an adequate process for distributed development look like and how should it be supported by tools and techniques?
- *Economic aspects*: How can we evaluate the efficiency of geographically dispersed requirements engineering, also compared to on-site projects? What is Return on Investment in dedicated tools in distributed development?
- *Project management*: Which tools can help to plan, control and track a project? Are risk management or workflow management tools different to those used in on-site projects?
- *Collaboration and communication*: How need RE and software development to be organised when teams are spread over two or more sites? How can projects achieve efficient collaboration and alignment? What are the lessons learned on tools and infrastructure for collaboration in requirements engineering and integration or test?

Topics of the 1-day Workshop

The following is a non-exhaustive list of relevant topics:

- Collaboration tools for distributed teams: usability, reliability, performance, quality and benchmarking
- Evaluating geographically dispersed outsourcing and collaboration
- Models and technologies for handling dynamics and complexity in complex collaboration environments
- Open source mode of collaboration, success factors for open source projects
- Inter-organizational workflow management and risk management
- Impacts of tools on the cost efficiency of distributed development
- Process model design for distributed development
- Lessons learned from distributed development projects

These topics will be discussed based on presentations by participants. Based on these contributions, we will try to structure the problems and challenges and want to discuss a "research agenda for RE in GSD".

Key Note Speakers

Daniel J. Paulish, Siemens Corporate Research
 Rupert Stuffer, CEO, ACTANO Group (to be confirmed)
 James D. Herbsleb, Carnegie Mellon University (to be confirmed)

Addressees

The workshop targets practitioners as well as researchers interested or involved with geographically or organizationally distributed software development.

Organization Committee:

- Dr. Eva Geisberger, TU München
geisberg@in.tum.de
- Patrick Keil, TU München,
keilp@in.tum.de
- Marco Kuhrmann, TU München,
kuhrmann@in.tum.de

Program Committee:

Matthew Bass, Carnegie Mellon University
 Stefan Biffli, TU Wien
 Manfred Broy, TU München
 Mathai Joseph, Tata Consultancy Services
 Thomas Klingenberg, microTOOL GmbH
 Vesna Mikulovic, Siemens AG Austria
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 Gernot Stenz, TU München