Tool Support and Requirements Management in Distributed Projects

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The business of offshoring

- **Strategic / organisational:**
  - “Banks can save 8-12% of their overall costs, and insurers as much as 10-15%.” (Deutsche Bank Research (2004))
  - Virtual teams: at IBM, 40% of the workforce has no office at the company. At AT&T approximately 30% of managers have no defined geographic location

- **Economic / political:**
  - Decrease of internal value creation (e.g. Porsche: 10 to 20%)
  - “Follow the customer” and time-to-market as market(ing) necessity
  - “IBM has established a massive research park in Beijing largely devoted to Linux development.”
  - “Microsoft Research Asia has devoted the bulk of its research efforts in China to improving search and data mining technologies.” (Darryl Taft)
  - Global value chain instead of “extended workbench”
The problems of offshoring

- **Tooling:**
  - 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?

- **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?
  - Return on Investment in dedicated tools in distributed development

- **Project management:**
  - Which methods and tools can help to plan, control and track a project?
  - Are risk management or workflow management different to on-site projects?

- **Collaboration and communication:**
  - How do RE and software development need to be organized when teams are spread over two or more sites?
  - How can projects achieve efficient collaboration?
  - lessons learned on tools and infrastructures for RE, development or test
09:30 – 11:00
Introduction
Daniel Paulish: “Methods, Processes & Tools for Global Software Development”
Tuomas Niinimäki: “Communication Tools in Globally Distributed Software Development Projects”

11:00 – 11:30 Coffee Break

11:30 – 13:00
Rupert Stuffer: “Management of distributed Projects in the Automotive Industry”
Matthias Heindl: “Requirements Management Infrastructures in Global Software Development - Towards Application Lifecycle Management with Role-Oriented In-Time Notification”
Agenda

13:00 – 14:00  Lunch

14:00 - 15:30
  Harold Ossher: “Distributed Development across the Lifecycle with Jazz“
  Tobias Kuipers: "Monitoring the Quality of Outsourced Software"

15:30 – 16:00  Coffee Break

16:00 - 18:00
  Marco Lopes: "MAIS: an Awareness Mechanism for Change Identification on shared Models"
  Chintan Amrit: "Exploring Coordination Structures in Open Source Software Development"
  Miles Herrera: "A Framework for designing integrated Tool Support for globally distributed Software Development Teams"
  Celine Laurent: "A Sensitivity Analysis Approach to Select IT-Tools for Global Development Projects"