

University of Karlsruhe (TH)

Research University · founded 1825



Working group meeting

Software engineering for parallel systems

Vancouver, Canada

May 18, 2009

Dr. Victor Pankratius

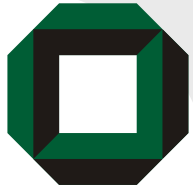
<http://www.multicore-systems.org/separs>



Faculty of **Computer Science**

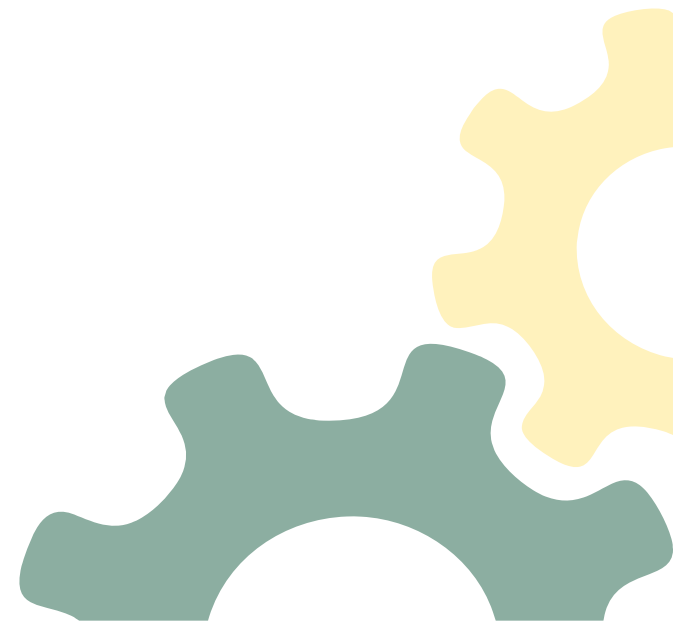
Welcome !

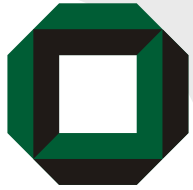




Thanks!

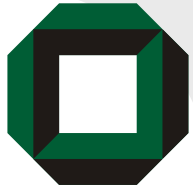
- Thank you all for being here to advance the field





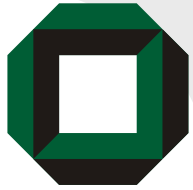
Agenda

6.00pm-6.10pm	10min	Report
6.10pm-6.40pm	30min	Talk: „The Design of a Task Parallel Library” Dr. Wolfram Schulte Research Area Manager Microsoft Research, USA
6.40pm-6.50pm	10min	Discussion
6.50pm-7.20pm	30min	Talk: „Scalability Wins!” Matthias Pruksch sepp.med, Germany
7.20pm-7.30pm	10min	Discussion
7.30pm		End of moderated part
		Discussions, Dinner



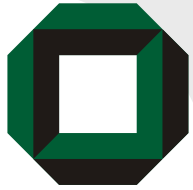
Legal Issue

- „SEPAS“ is registered trademark of G.Muth Partners GmbH, Germany
see <https://dpinfo.dpma.de/> 30028688.0
- Company contacted legal department of the University of Karlsruhe
- Proposal (acknowledged by university lawyer): rename to „SEPARS“
- [inserted after meeting]: proposal accepted



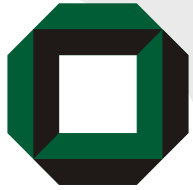
New URL

- <http://www.multicore-systems.org/separs>



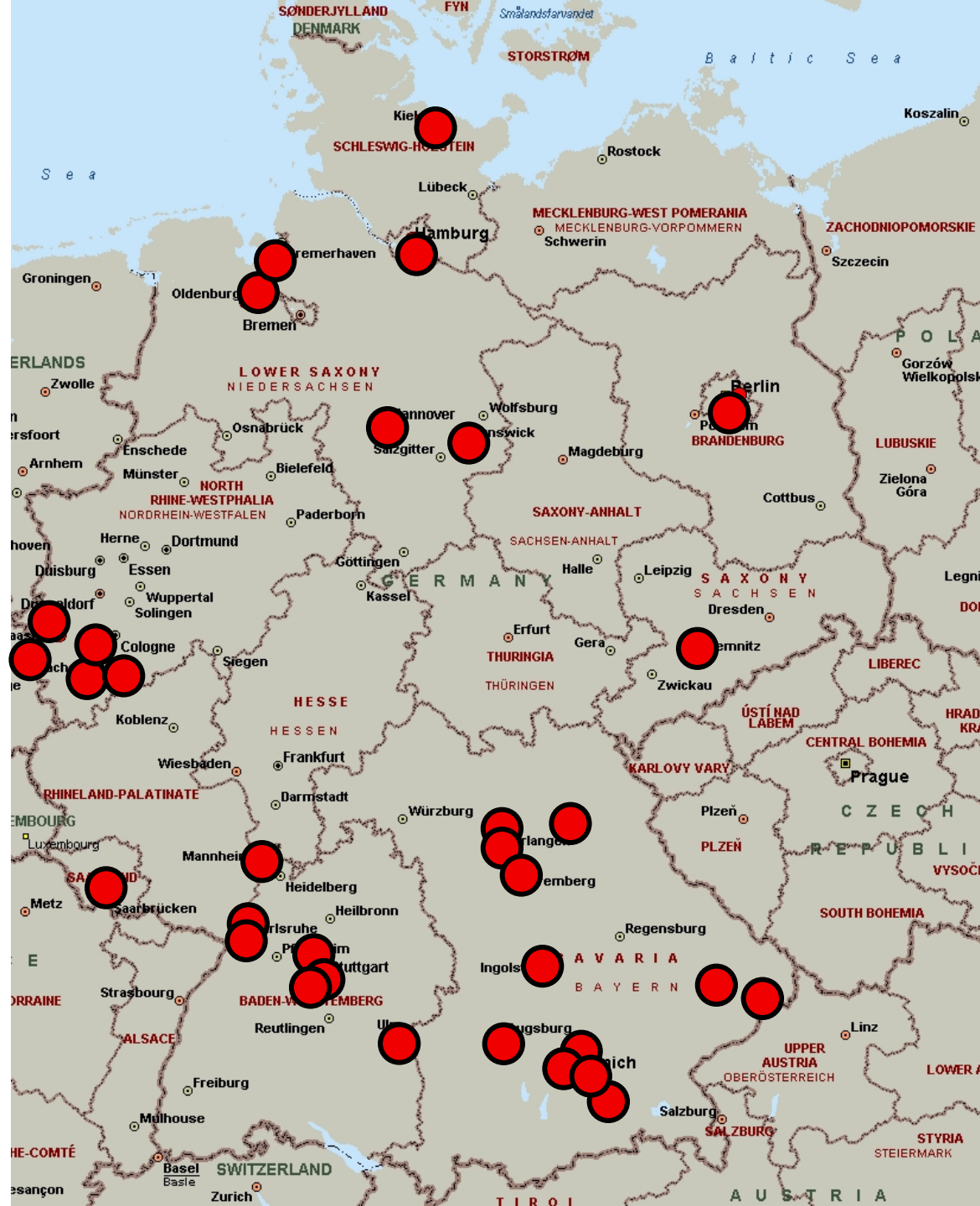
Report on activities

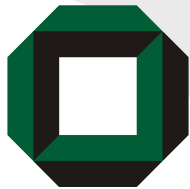
- Since last meeting in November 11, 2008 (Stuttgart)
 - Now **81** international members
 - **54** from academia, **27** from industry
 - *Excerpt from larger companies:*
 - *Agilent*
 - *Bosch*
 - *Ericsson*
 - *IBM*
 - *Intel*
 - *Nokia*
 - *SAP*
 - *Siemens*
 - *SUN*



Report on activities

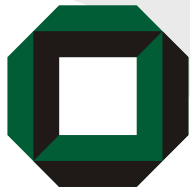
- Members in Germany



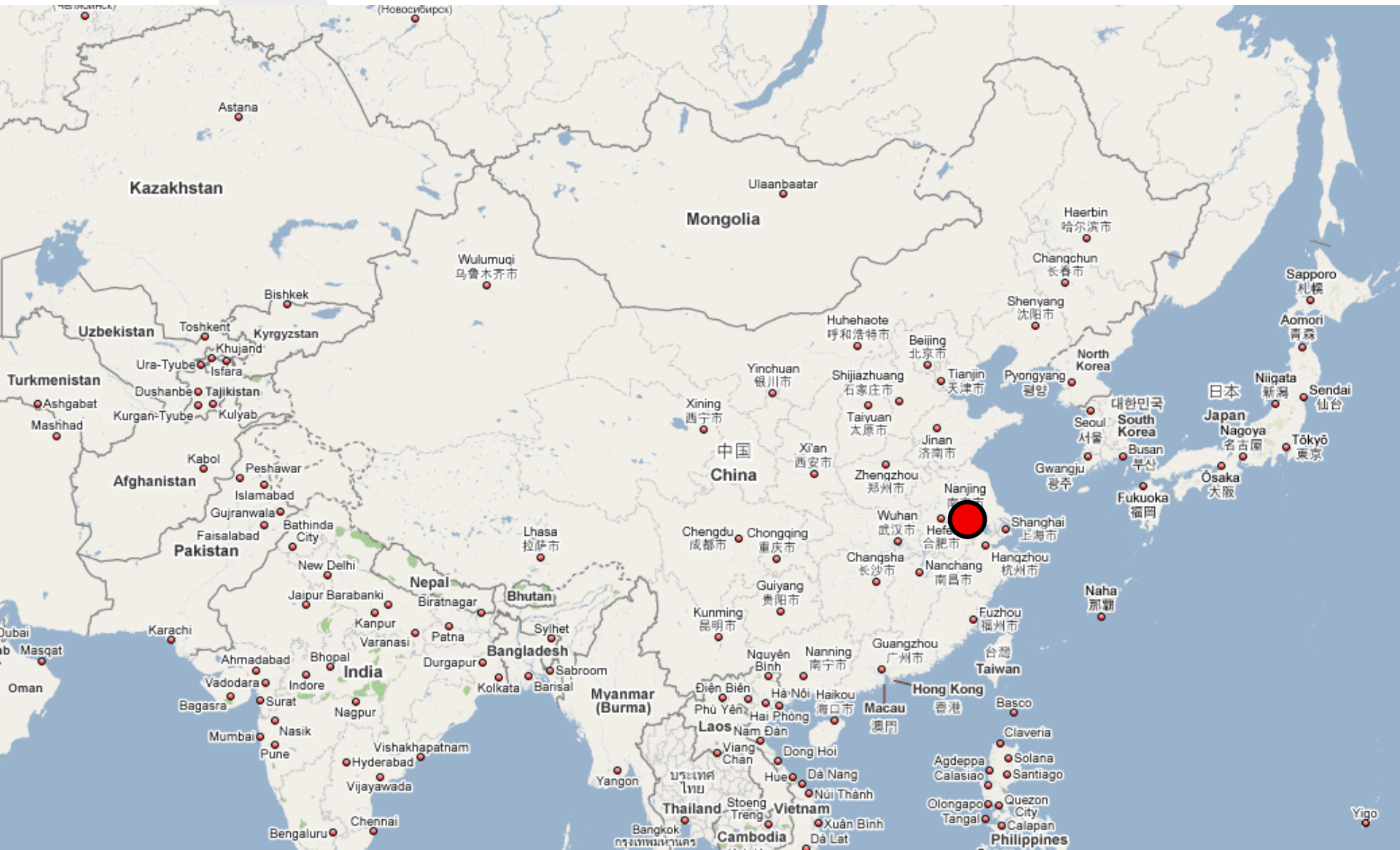


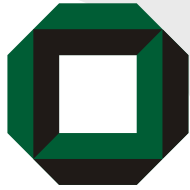
Report on activities Members in other countries





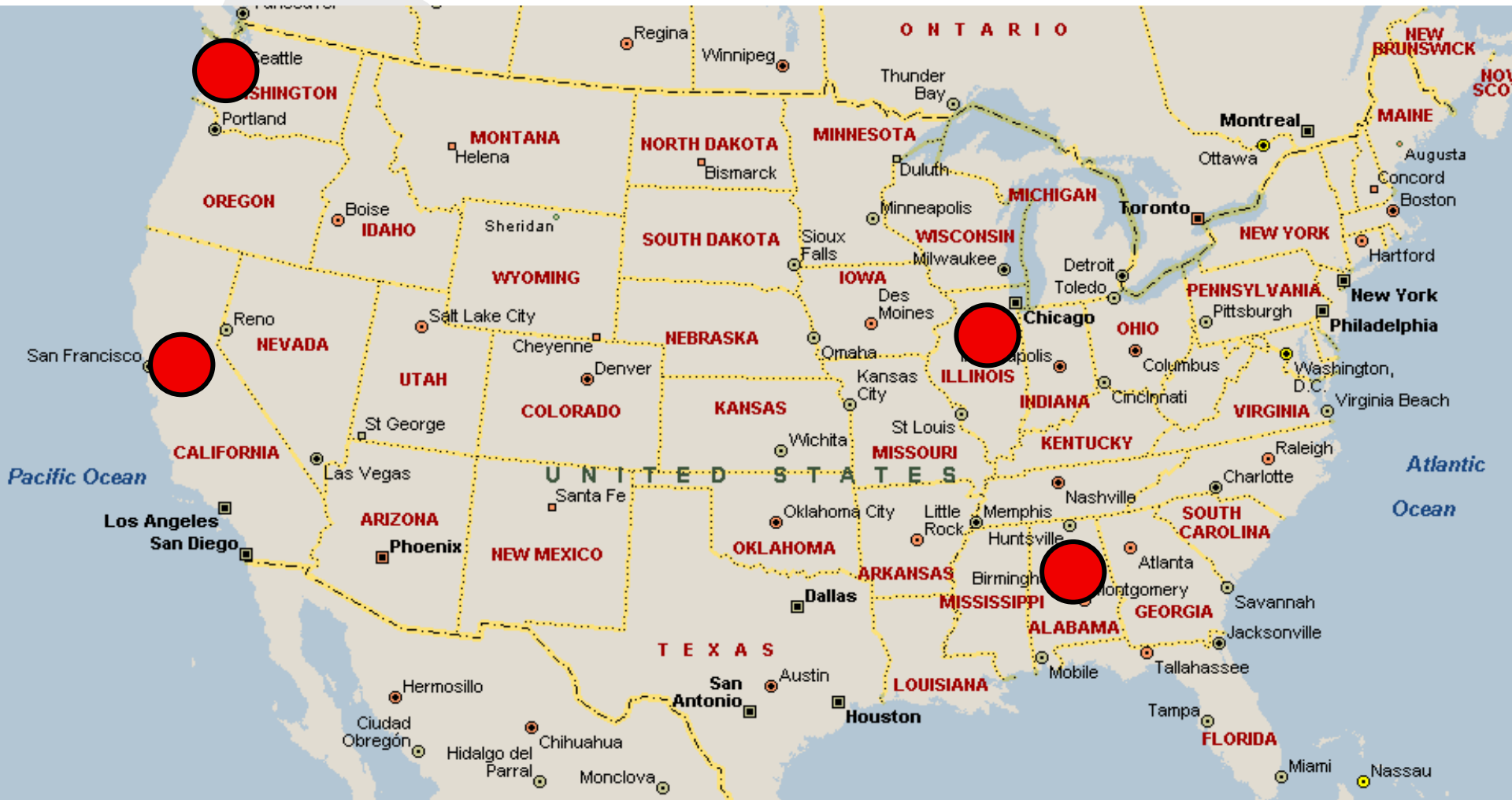
Report on activities Members in other countries

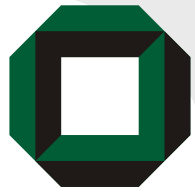




Report on activities

Members in other countries

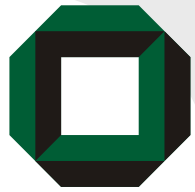




Report on activities


- Support of the **Manycore Day 2008**
 - FZI Forschungszentrum Informatik Karlsruhe
Research Center for Information Technology
 - 25 participants
 - Express talks and dicussions



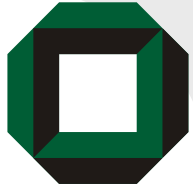


Report on activities

- Support of the **First International Workshop on Multicore Software Engineering (IWMSE08)**
Leipzig, Germany, May 2008
<http://www.multicore-systems.org/iwmse2008>

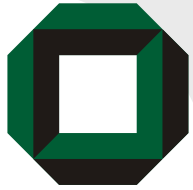
-  co-located with the 30th International Conference on Software Engineering (ICSE), May 10-18, 2008
- Great success for first-time workshop: 35 participants, 3 sponsors, 1 keynote, 2 tutorials, submissions by 37 authors from 10 countries





Report on activities

- Parallelism in curricula: an international survey
 - More than 40 universities
 - 146 courses on parallelism
 - Download on SEPARS Web site



Report on activities

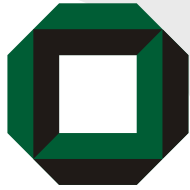
Supporting organization of...



- **The Second International Workshop on Multicore Software Engineering (IWMSE09)**

<http://www.multicore-systems.org/iwmse2009>

- Invited speaker: Burton Smith, Microsoft
- Organizing committee:
 - Adam Porter (U. Maryland, USA)
 - Larry Votta (Brincos Inc., USA)
 - Victor Pankratius (U. Karlsruhe, Germany)
- Plan: continue with series of workshops on this topic
<http://www.multicore-systems.org/iwmse>



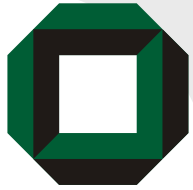
Report on activities

Supporting organization of...



• Tutorial T22: Multicore Software Engineering

- **May 19th**
- **Full-day tutorial**
- **Presenters**
 - Walter F. Tichy (U. Karlsruhe, Germany)
 - Victor Pankratius (U. Karlsruhe, Germany)
 - Jeffrey D. Ghallagher (Intel, USA)
- <http://www.cs.uoregon.edu/events/icse2009/tutorials/>



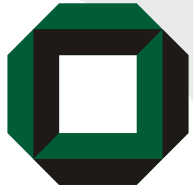
Report on activities

Supporting organization of...



Special session

- **Technical Briefing (TB3) - Multicore Software Engineering**
 - **May 22nd**
 - **Full-day tutorial**
 - **Presenters**
 - Walter F. Tichy (University of Karlsruhe, Germany)
 - Victor Pankratius (University of Karlsruhe, Germany)
- <http://www.cs.uoregon.edu/events/icse2009/specialSessions/#TB3>



Next meeting

- Suggestions?
 - Discussed in earlier meetings:
 - 2 meetings per year, one co-located with an international conference, one in Germany