

University of Karlsruhe - KIT

Research University · founded 1825



Working group meeting

Software engineering for parallel systems (SEPARS)

Saarbrücken, Germany

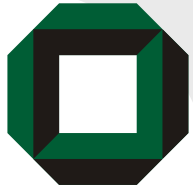
November 6, 2008

Dr. Victor Pankratius

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

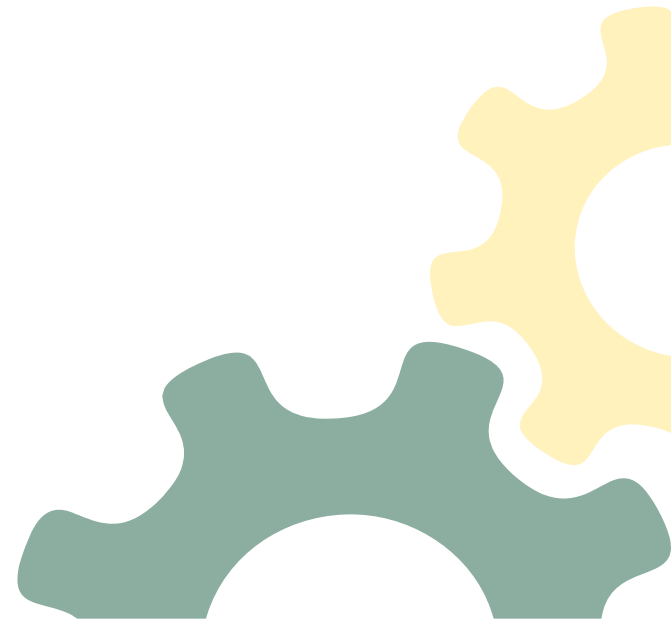
Welcome !

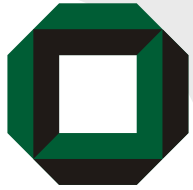




Thanks!

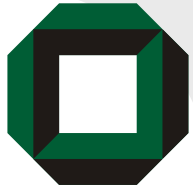
- Many thanks to Prof. Zeller & the University of Saarland for hosting this SEPARS meeting
- Thank you all for being here to advance the field





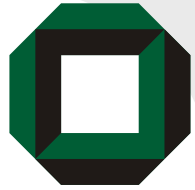
Agenda

10.30am-10.35am	5min	Welcome address
10.35am-11.30am	55min	Keynote: “Software-Based High-Performance (Graphics) Computing”, Prof. Philipp Slusallek
11.30am-12.30pm	60min	Report on SEPARS and election of board members
12.30pm-01.30pm	60min	Lunch break
01.30pm-02.30pm	60min	Talks
02.30pm-02.45pm	15min	Coffee break
02.45pm-03.45pm	60min	Talks
		Discussion
About 5pm		End of meeting



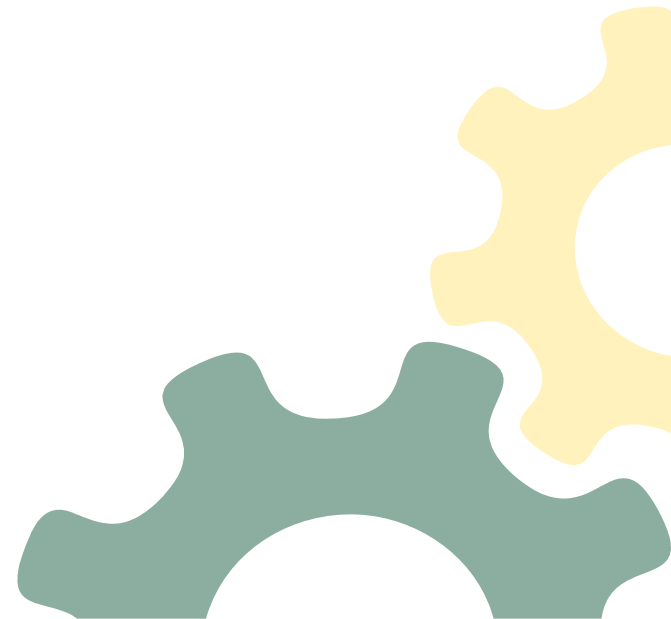
Agenda: Talks

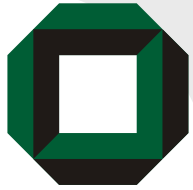
01.30pm-01.35pm	5min	Intel Academic Community Peter Hinsbeeck, Intel
01.40pm-01.50pm	20min	Manycore: Many Processors for Everyone Prof. Christian Lengauer (Univ. of Passau)
02.00pm-02.20pm	20min	Finding and recovering from concurrency bugs Pedro Fonseca (Max Planck)
02.30pm-3.00pm	30min	Coffee break
03.00pm-03.20pm	20min	Profiling Java Programs for Parallelism Clemens Hammacher (Saarland University)
03.25pm-03.45pm	20min	Scalability, a Must for Multicore Software Matthias Pruksch (sepp.med GmbH)



Report on activities

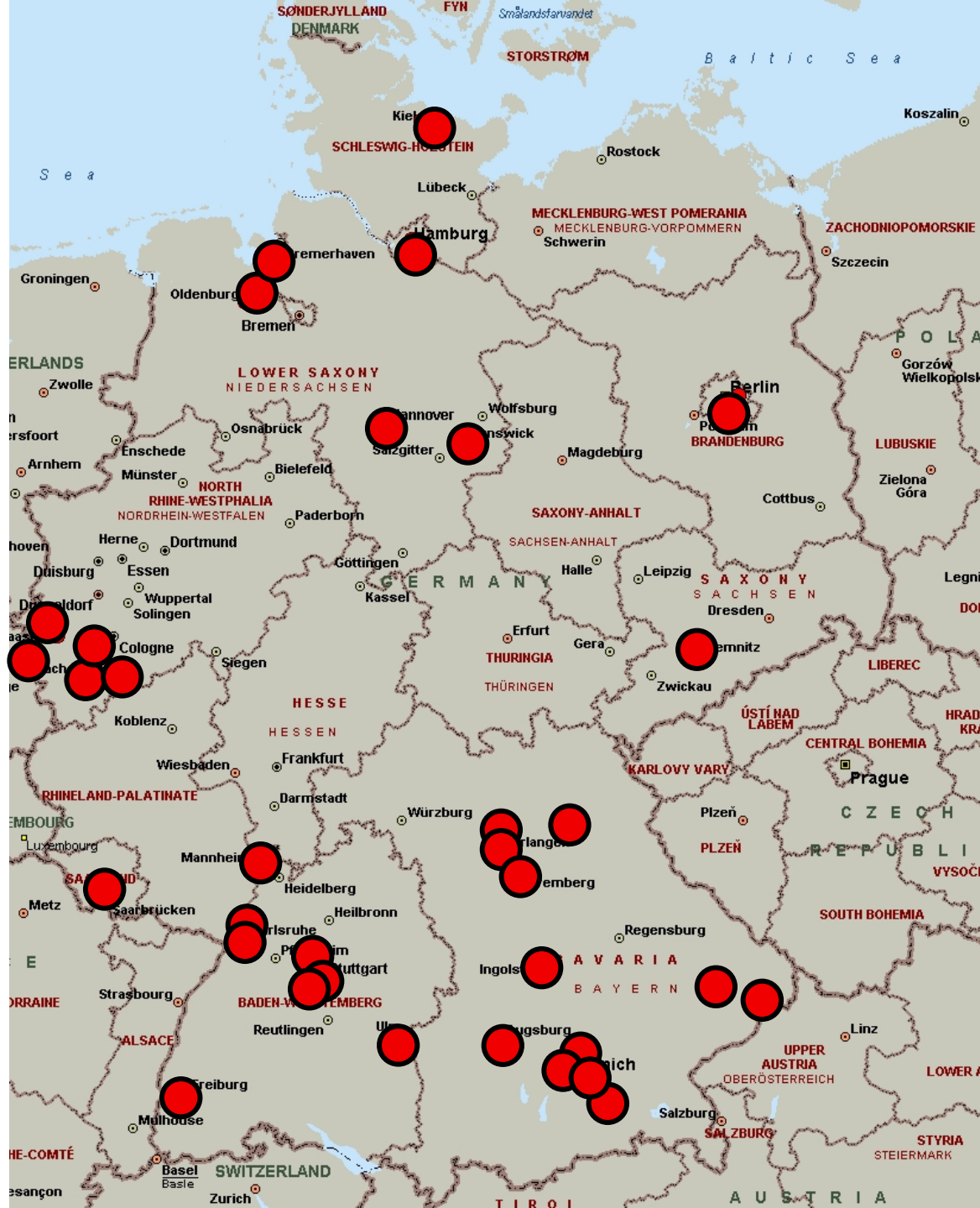
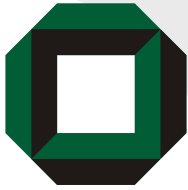
- More than **100** members world-wide!

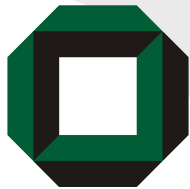




Report on activities

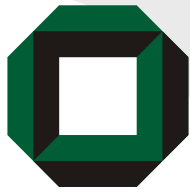
- **101 international members**
 - 64 from academia, 37 from industry
 - *Excerpt from larger companies:*
 - *Agilent*
 - *Bosch*
 - *Ericsson*
 - *IBM*
 - *Intel*
 - *Nokia*
 - *SAP*
 - *Siemens*
 - *SUN*





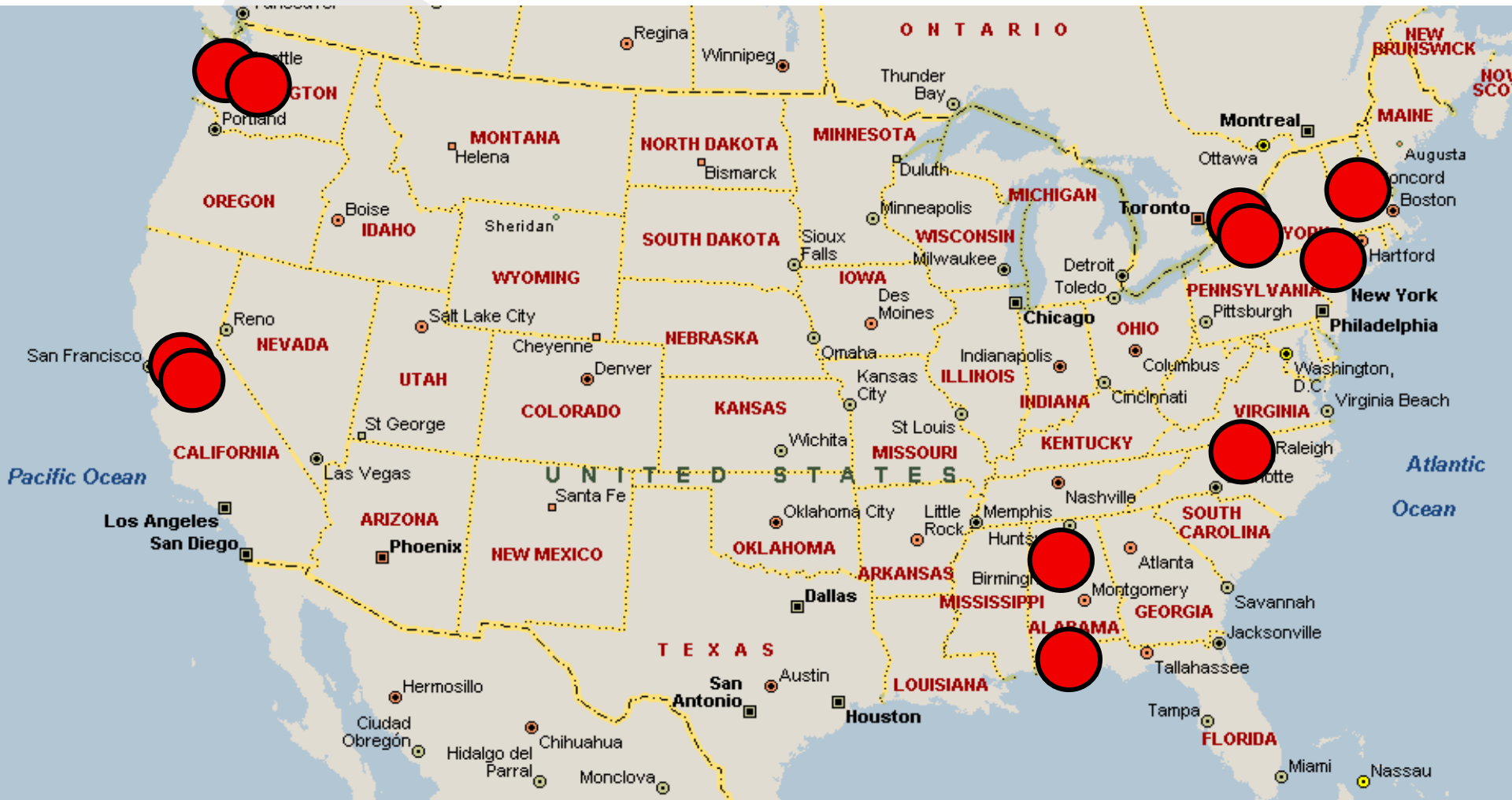
Report on activities Members in other countries

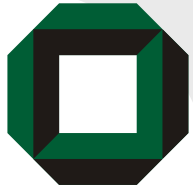




Report on activities

Members in other countries

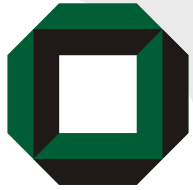




Report on activities

- Organization of series of ICSE workshops on Multicore Software Engineering
- <http://www.multicore-systems.org/iwmse>
- Organization of ICSE tutorials on Multicore SE
- Technical Briefing on Multicore SE @ ICSE 2009
 - Download post-conference material at <http://www.cs.uoregon.edu/events/icse2009/postConf>
- Parallelism in curricula: an international survey
 - More than 40 universities
 - 146 courses on parallelism
- Download on SEPARS Web site <http://www.multicore-systems.org/separs/downloads/GI-WG-SurveyParallelismCurricula.pdf>





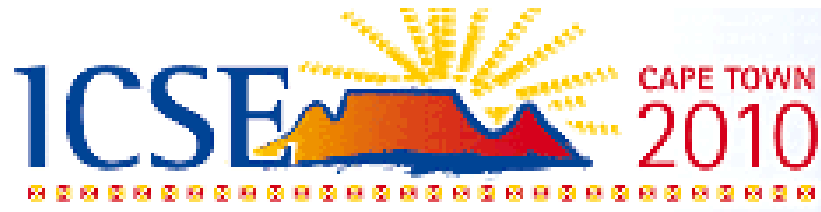
Report on activities



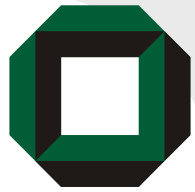
Third International Workshop on Multicore Software Engineering (IWMSE10)

<http://www.multicore-systems.org/iwmse2010>

co-located with the 32nd International Conference on Software Engineering (ICSE), May 2-8, 2009, Cape Town, South Africa



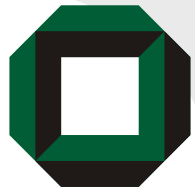
Also co-located: **Tutorial on Multicore Software Engineering**,
joint with Intel (ICSE approval pending)



Report on activities

- Organization support of IWMSE 2009

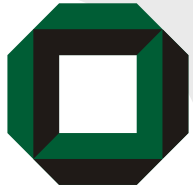




Report on activities

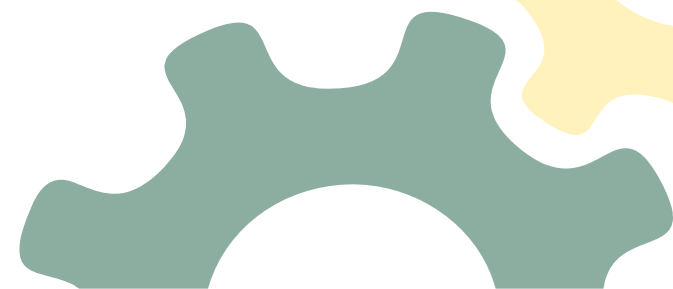
- Organization support of IWMSE 2008

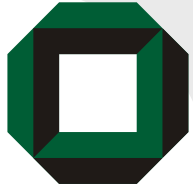




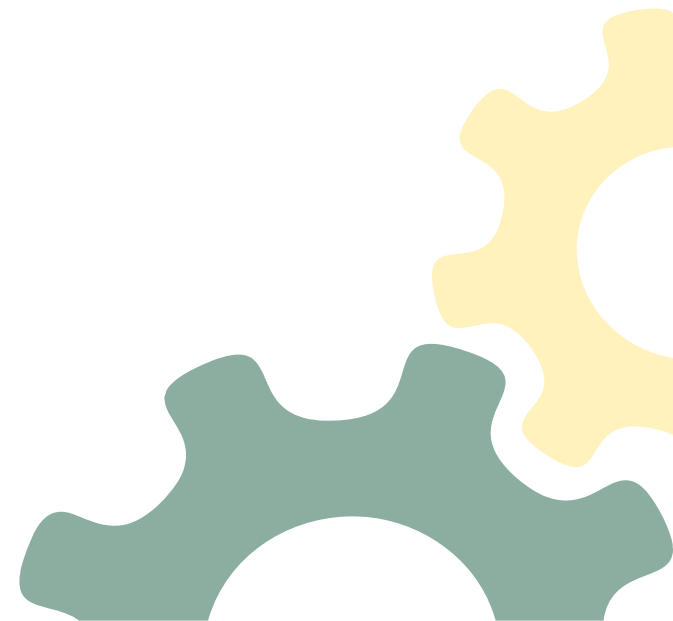
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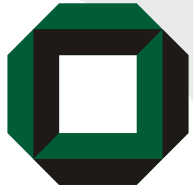
- Organization support of Manycore Day 2008





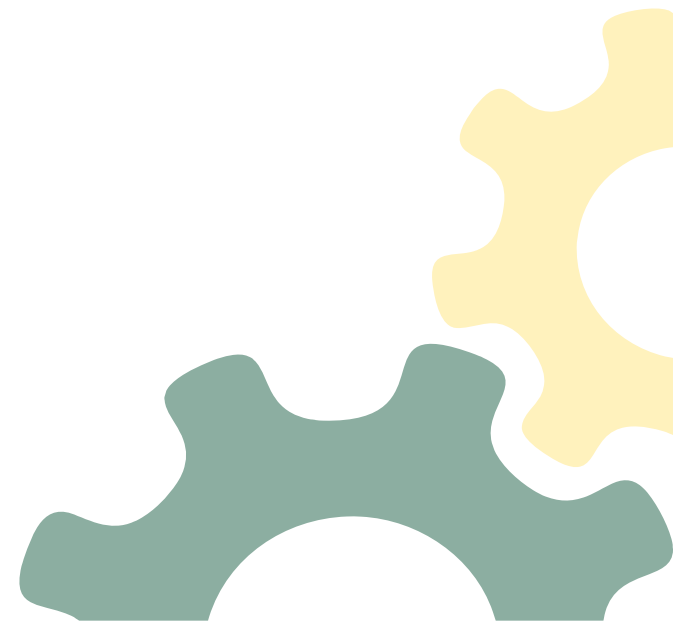
SEPARS Board Election

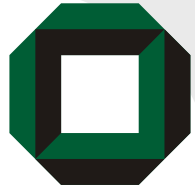




SEPARS Board Election

- Candidates
 - Prof. Sebastian Hack
Saarland University, Germany
 - Prof. Wolfgang Karl
University of Karlsruhe, Germany
 - Prof. Christian Lengauer
University of Passau, Germany
 - Dr. Victor Pankratius
University of Karlsruhe, Germany
 - Prof. Walter Tichy
University of Karlsruhe, Germany
- Election of board
- Board: election of chairman





Next meeting

- Proposal: Cape Town, South Africa
 - Co-located with the International Conference on Software Engineering 2010 (ICSE10)
- Discussed in earlier meetings:
 - 2 meetings per year, one co-located with an international conference