

living.knowledge WWU Münster Prof.Dr. Sergei Gorlatch University of Münster, Germany



University and Research Group

- One of the largest universities in Germany (>40.000 students)
- Research group on Parallel and Distributed Systems (PVS) conducts (inter)nationally networked R & D in modern and emerging IT-topics:
 - –Algorithms & software for many-core systems incl. GPU
 - High-level programming models
 - Distributed systems
 - -Grid and Cloud computing
 - —Internet-based applications
- The PVS group comprises 4 7 members of staff







Research Projects of the Group



- -EU-project edutain@grid
- -EU-Networks of Excellence *S-Cube* and *CoreGRID* (service-oriented & Grid computing)
- -German SFB 652 MoBil (high-performance medical imaging)
- -EU-project OFERTIE (QoS management in OpenFlow networks)
- -EU "Marie Curie Actions" MONICA (Mobile Cloud Computing)





Teaching modern IT-topics

Our main teaching principles:

- —Involve students into running R & D projects
- -Develop planning, design and coding skills requested by industry
- -Offer ambitious projects on novel, emerging topics
- -Organize team work and management similar to a software company
- —Assign roles & responsibilities according to knowledge & experience
- -Provide continuous advice, support and control on a daily basis
- Encourage search for new ideas and solutions
- -Monitor individual efforts and success stories
- -Require intermediate and a final presentations and deliverables
- -Strive for a continuation (paper, thesis, etc.)

=> team-oriented projects ("Projektseminar") for BSc and MSc



Overview of PVS Lecture Courses

