

Project Coordination

The [Ludwig-Maximilians-Universität München](#) (LMU) is one of the three top ranked



Two research groups are involved in the ASCENS project: The [Programming and Software Engineering](#) (PST) and the [Munich Network Management](#) (MNM) teams.

Expertise. The PST group has expertise in software engineering for service-oriented adaptive systems and their interaction with humans and users, object-oriented software development based on formal methods, and soft constraint reasoning for multi-criteria optimization. Products of PST are an integrated development environment for service-oriented systems, a model checker for real-time UML, and middleware for self-aware, adaptive systems.

PST coordinated the FET Global Computing project [SENSORIA](#) on Software Engineering for Service-Oriented Overlay Computers and is involved in several other sponsored projects. PST researchers have developed a semantic-based approach to model-driven development of service-oriented software, model transformations from UML profiles into languages such as Java and BPEL, and a component-based framework for reflective computing.

The MNM team consists of researchers from LMU, the Munich University of Technology (TUM), and the Leibniz Supercomputing Centre (LRZ). It is one of the first groups in Germany to address the research area of IT management, focusing on topics such as manageability of

networked and grid systems, including adequate management and security concepts, tools, and IT processes as well as grid middleware development, grid infrastructure operation and resource management.

Role in ASCENS. LMU Munich is the scientific and administrative coordinator of the ASCENS project and responsible for the tool integration (WP6), dissemination, collaboration, training and demonstration (WP9) as well as for the project management (WP10).

Key members

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- [Dieter Kranzlmüller](#)
- [Matthias Hölzl](#)
- [Nora Koch](#)
- [Philip Mayer](#)
- [Johannes Watzl](#)

- [Christian Kroiß](#)
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