Distributed Systems (Master), 5 CP

Distributed Systems are ubiquitous in today's computer science. In enterprise-IT, in manufacturing as well as in all other domains of information technology distributed systems the challenge consists in processing complex tasks with multiple computers which communicates with each other. The foundations and criteria for design and development of complex systems are treated in the lecture. Important programming technologies (Communication, Concurrency, Remote Method Invocation, Actors) are presented with practical exercises.