Core Research Area: Computer-supported collaborative learning

The ongoing evolution of Web 2.0 and the capabilities of modern collaboration and communication tools open up new potentials for *computer-supported collaborative learning (CSCL)*. Distributed learning in groups becomes more and more convenient. CSCL fits squarely into today ′ s knowledge society, in which knowledge is constantly created and updated, and is increasingly seen as socially constructed. Important technological developments in this research area include social software (e.g. blogs, wikis, and shared objects) and virtual reality.

Research in CSCL aims to understand the learning processes enabled by these technologies, and to develop ways of improving their efficiency by educational and technological measures (e.g. collaboration scripts; automated, adaptive collaboration support). Which cognitive, emotional, and motivational processes on the individual and group level are involved in fruitful learning experiences? And how can we support learners ′ collaborative knowledge acquisition and their competence to learn collaboratively?