

## Community Learning Analytics - Challenges and Opportunities

### Abstract:

Learning Analytics has become a major research area recently. In particular learning institutions seek ways to collect, manage, analyze and exploit data from learners and instructors for the facilitation of formal learning processes. However, in the world of informal learning at the workplace, knowledge gained from formal learning analytics is only applicable on a commodity level. Since professional communities need learning support beyond this level, we need a deep understanding of interactions between learners and other entities in community-regulated learning processes - a conceptual extension of self-regulated learning processes. In this presentation, we discuss scaling challenges for community learning analytics and give both conceptual and technical solutions. We report experiences from ongoing research in this area, in particular from the two EU integrating project ROLE (Responsive Open Learning Environments) and Learning Layers (Scaling up Technologies for Informal Learning in SME Clusters).



### Biosketch:

PD Dr. rer. nat. Ralf Klamma has diploma, doctoral and habilitation degrees all in computer science from RWTH Aachen University in Germany. After being vice-coordinator of the FP7 ICT Integrating Project ROLE, he is now work package leader in the FP7 ICT Integration Project Learning Layers). In 2013, he is general chair of the European Conference on Technology Enhanced Learning (EC-TEL 2013). He serves as associate editor for the international journals IEEE Transactions on Learning Technologies (ToLT), Social Network Analysis and Mining (SNAM), and IJTEL. His research covers among others community information systems, social network analysis, technology enhanced learning, and cloud computing.