

EINLADUNG

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Ort: Raum 9222, E3, Ahornstr. 55

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Thema: Analytics Enhanced Personalized Learning

Personalized learning is one of the core issues in Technology Enhanced Learning (TEL). There is a need to shift from one-size-fits-all systems to smart learning environments that give control to the learners. The personalization of the learning experience is crucial in different lifelong learning contexts, including schools, further and higher education, informal learning, and professional training. In this perspective, learning analytics can play an important role, providing insights and understanding into how learners learn and supporting customized learning experiences that meet their needs.

This talk focuses on the middle space between “personalized learning” and “learning analytics”. The theme and guiding focus for this talk is: How can learning analytics support personalization in different lifelong learning settings in terms of self-reflection, awareness, assessment, feedback, motivation, and recommendation?

First, I will introduce the learning analytics reference model that provides a systematic overview of the field based on four dimensions. In light of the learning analytics reference model, I will discuss the Personalized Learning & Analytics (PerLA) model, as a learner-focused, analytics-driven model that promotes learning analytics in different lifelong learning contexts.

As an application of the PerLA model, I will present the Open Learning Analytics Platform (OpenLAP), which provides the technical foundation of an open learning analytics ecosystem that encompasses different stakeholders associated through an interest in learning analytics but with diverse needs and objectives, a wide range of data coming from various learning environments and contexts, as well as multiple infrastructures and methods that enable to draw value from data in order to gain insight into learning processes.

Finally, I will present four case studies on the use of OpenLAP in different lifelong learning settings, namely the RWTH central teaching and learning platform L²P as a formal learning environment, the MOOC platform CourseMapper as an informal learning environment, as well as the BMBF research project “Professional Reflective Mobile Personal Learning Environment” (PRiME) and the academic network PALM as professional learning environments.