

Project digiSTAR –digital augmented Science Teaching and Research

Thursday 7 September 2023 17:20 (20 minutes)

The traditional analogue introductory undergraduate courses in natural science study programs neglect individual differences in study entry and constitute a digital gap between the increasingly digitalized school and the likewise digitalized current research practice. Promotion of digital competencies in studies and in general for scientific professions should follow a continuous progression. Student teachers have little insight into the significance of digitalization for science research practice. At the same time, they lack practical applications of digital teaching competencies. The digiSTAR project addresses this issue and pursues four goals: digital learning aids for all students, support for lecturers through additional digital teaching-learning media, competence development of student teachers through the design of digital learning environments, and cross-location exchange and joint courses in the master's degree in teaching. The collaborative project involving biology, physics and chemistry education research at RPTU (Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau) and the University of Konstanz will be presented, including initial results and digital add-ons for subject-specific courses.

Contribution categories - primary focus

University

Contribution categories - type

Application (shared experience, activity suggestions)

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Session Classification: Presentations/Workshops