

First Call for the

**13<sup>th</sup> International Conference on Conceptual Change**  
**Munich, Germany**  
**27–30 August 2024**

**Summer School for Junior Researchers: 26–27 August**

The **Technical University of Munich** and the **European Association for Research on Learning and Instruction (EARLI)** are pleased to announce the **13<sup>th</sup> International Conference of the Special Interest Group 03 on Conceptual Change**.

This bi-annual meeting aims at bringing together researchers from around the world who are interested in conceptual learning and related fields. At this meeting, we especially invite researchers focusing on topics related to conceptual change processes, digital learning, learning environments, computational modeling, or adaptive learning. We would like to discuss especially the potential and the challenges of conceptual change theory in the era of digital transformation. However, regardless of the conference theme, submissions of other topics related to the field of conceptual change are welcome as well!

The conference will feature keynotes, symposia, paper and poster presentations. Other formats (e.g., roundtables, ICT demonstrations) are also welcome. Before the conference, there will be a Summer School with introductory and feedback sessions with experienced researchers.

**Conference Theme: Conceptual Change in the Era of Digital Transformation**

Research has well established that learning is not always a smooth process but can require quite radical conceptual change. Despite its long research tradition, important questions about how to describe and effectively support individual learners' conceptual change processes are still a matter of current research. Modern technology offers novel ways of studying and supporting learners' conceptual change. For example, digital learning environments enable researchers to collect rich data (e.g., log data, mouse tracking, eye movements, heart rate) and to assess learning processes (including affective states) in real-time. Accordingly, digital technologies have the potential to model conceptual learning on a micro-level and to support individual learning adaptively.

However, using such technology comes with new challenges. Interpreting rich data in a meaningful way is not straightforward, and using them to provide adaptive support for learners is even less. More fundamentally, the constant availability of digital tools and the speed at which digital media affect our everyday lives require researchers and instructors to re-conceptualize their ideas of learning. In other words, the digital transformation may require conceptual change in how we think about teaching and learning.

**Submission Deadline: ~~15 March 2024~~**

**Extended: 31 March 2024**

**Conference Website:** <https://www.events.tum.de/frontend/?sub=186>

We are looking forward to your submission!