



universität  
**uulm**

**Physikalisches Kolloquium**  
Einladung

**Physics Colloquium**  
Invitation


**Monday, 03 July 2023**

Lecture Hall N24/H13, at 16:15  
Coffee and cookies will be served in front of the lecture hall from 16:00

## **The best of both worlds: Combining real and virtual experiments in physics education**

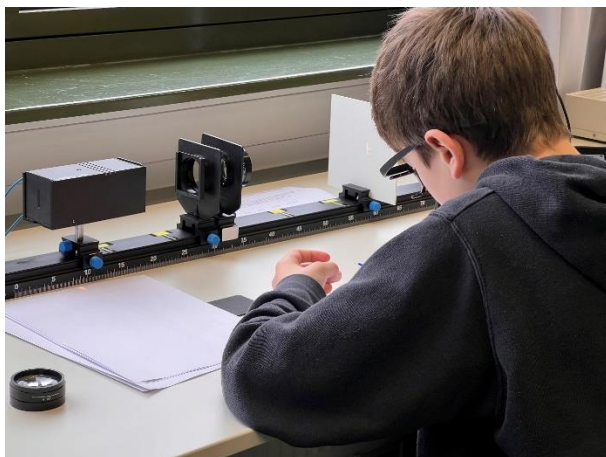
**Dr. Salome Flegr**

Ludwig-Maximilians-University Munich,  
Chair of Physics Education

 <https://www.didaktik.physik.uni-muenchen.de/mitarbeiter/index.html>



Conceptual understanding in science is essential for successful participation in today's knowledge society, as it is critical to form a reflexive opinion and make well-informed decisions. Consequently, fostering conceptual understanding has become a fundamental aim of science education. This talk presents current insights in science education research on the question of how conceptual understanding in science can best be fostered using the instructional approach of guided inquiry learning. Specifically, the focus is on taking advantage of different experimentation formats (i.e., real and virtual experiments) for learning.



Host: Prof. Dr. Othmar Marti, Institute of Experimental Physics

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