



Contribution ID: 48

Type: **Poster in Wroclaw**

A learning environment for pre-service physics teachers on how to diagnose students' conceptions not covered by physics education textbooks

Wednesday 15 December 2021 11:00 (5 minutes)

To date, there is a lack of (research on) learning environments for pre-service physics teachers that allow them to learn about and practice diagnosing students' conceptions that are not covered by physics education textbooks. In this study, we developed and piloted such a learning environment. Since coping with the diagnostic process is particularly demanding for preservice physics teachers, our accompanying research aims to identify learning barriers within our developed learning environment. Our contribution presents the design of the developed learning environment and reports preliminary results of our accompanying research.

Authors: Dr FESER, Markus Sebastian (Universität Hamburg); Prof. KRUMPHALS, Ingrid (University College of Teacher Education Styria)

Presenters: Dr FESER, Markus Sebastian (Universität Hamburg); Prof. KRUMPHALS, Ingrid (University College of Teacher Education Styria)

Session Classification: Parallel 7 - Wroclaw

Track Classification: 9. Initial teacher education, teacher professional development and Technological Pedagogical Content Knowledge