



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: 134

Type: **Workshop**

Creating a Student-Centered Collaborative Learning Environment in a University Physics Classroom - INSTR

Thursday 3 July 2025 15:30 (1h 30m)

An active-learning workshop is offered to provide an example of a collaborative group-learning pedagogical environment for introductory physics at the university level. Participants will engage in various hands-on and minds-on exercises to illustrate how such a dynamic classroom can transform the strategy for teaching physics in university classes. A discussion about the benefits and challenges of this innovative approach will help guide the participants in adopting this teaching methodology in their own physics classes. We are working to establish a network of pedagogical innovators among the participants so that this type of approach can be more widely disseminated.

Education level

Age over 18 (excluding teacher education)

Physics topic

Full curriculum

Research focus

Active learning

Research method

Other

Organizing preference criteria

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Session Classification: Workshops

Track Classification: Instructional strategies & Curricula (INSTR)