



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: 206

Type: **Poster**

How can embodied learning in the physics classroom energize teachers to promote inclusive practices in secondary education?

Monday 30 June 2025 16:30 (1 hour)

Embodied learning encourages physics teachers to take into account diverse learning needs, social differences and cultural backgrounds of students in order to successfully implement these activities in the classroom. Embodied learning emphasizes the importance of physical experiences in the learning process, where the body and the learning environment are essential components of the learning process. Embodied learning has added value and promotes students' creativity and motivation. This research focusses on the interactions between teacher and students during an embodied learning activity, where students represent a model of charged particles in electric and magnetic fields in a role play.

Education level

Age 15-18 (Secondary education)

Physics topic

Other

Research focus

Active learning

Research method

Educational design research (Qualitative research)

Organizing preference criteria

Track

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Presenter: VERBEEK, Kars

Session Classification: Poster session

Track Classification: Physics teacher education & Professional learning (TEACH)