



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: 181

Type: **Workshop**

Let's bring critical thinking into physics lessons together! - TEACH

Tuesday 1 July 2025 15:30 (1h 30m)

This workshop aims to integrate Critical Thinking (CT) into physics education, an aspect often overlooked in daily teaching. Using a scaffolded instructional approach aligned with Halpern's CT framework, the workshop will provide educators and teachers with the essential skills and knowledge to enhance CT in the physics classroom. Grounded in behavioral theories, it emphasizes practical engagement, allowing participants to develop, evaluate, and refine CT-based materials through hands-on activities and peer review.

Education level

Pre-service and in-service teacher education

Physics topic

Other

Research focus

Competence-based education

Research method

Other

Organizing preference criteria

Other

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Session Classification: Workshops

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