



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: 20

Type: **Oral presentation**

A critical analysis of the C-TEIR process for assessing practical physics methods

Friday 4 July 2025 10:00 (20 minutes)

This submission outlines the development of a framework which evolved from a need to structure our research findings, and an understanding that publication can be limited if it is not clearly defined. Data analysis from our physics education research project provided the basis for our C-TEIR (Current - Test, Evaluate, Ideal and Reality) process. Both the practical implementation and reporting of research findings is simplified through use of the framework. However, considering the limitations a framework can impose will ensure we evaluate and evolve the C-TEIR alongside our research.

Education level

Age 15-18 (Secondary education)

Physics topic

Other

Research focus

Lab experiments

Research method

Educational design research (Qualitative research)

Organizing preference criteria

Track

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Presenter: GRAY, Laura

Session Classification: Parallel oral presentations

Track Classification: Educational research methodology (METHOD)