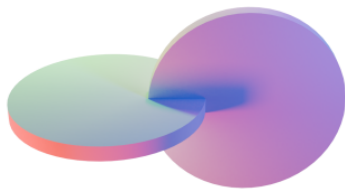


Session Program

30 June 2025 to 4 July 2025



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

GIREP-EPEC 2025 Conference, Leiden, The Netherlands

Parallel oral presentations INSTR

Leiden University, Gorlaeus building
Einsteinweg 55 2333 CC Leiden <https://www.universiteitleiden.nl/en/locations/gorlaeus-building#tab-1>

Monday 30 June

13:30

Parallel oral presentations INSTR: Parallel oral presentations 114 INSTR

Session | **Location:** Gorlaeus building, BW0.30, Einsteinweg 55 2333 CC Leiden | **Convener:** Jenaro Guisasola

13:50-14:10

College Science Students' Scientific Reasoning in Kinematics: A Resources Framework Analysis

Speaker

Dr Özden Şengül

14:10-14:30

The impact of different representation types in multi-representational physics instruction

Speaker

Ana Susac

14:30-14:50

Students' epistemic difficulties in analysing Energy Transfer Problems in Mechanics

Speaker

Jenaro Guisasola

15:00

Wednesday 2 July

09:00

Parallel oral presentations INSTR: Parallel oral presentations 314 INSTR

Session | **Location:** Gorlaeus building, BM1.26, Einsteinweg 55 2333 CC Leiden | **Convener:** Tetyana Antimirova

09:00–09:20

Using The Trailer Technique to Introduce Marie Curie's Life and Raise Awareness of Being a Woman in Physics

Speakers

Dr Beril Yılmaz Senem, Dr Şule Kösem

09:20–09:40

It's all about the BASICS: a framework for a hands-on electronic course

Speaker

Margreet Docter

09:40–10:00

Adaptive, study-accompanying refreshment of school mathematical skills in the STEM degree programs with a focus on Physics and Medical Physics

Speaker

Caroline Wortmann

10:00–10:20

Concept Mapping in Undergraduate Physics Courses: A Case Study in a Nuclear Physics Course

Speaker

Tetyana Antimirova

10:30

Thursday 3 July

15:30

Parallel oral presentations INSTR: Parallel oral presentations 426 INSTR

Session | **Location:** Gorlaeus building, CM1.26, Einsteinweg 55 2333 CC Leiden | **Convener:** Dr Ioannis Lefkos

15:30-15:50

Addressing Inequitable Access to Collegiate Level Physics Education in the U.S.

Speaker

Kazi Aatish Imroz

15:50-16:10

Analysis of IBDP Physics Curriculum in terms of its Inclusion of Behavioral Profile Characteristics of a Scientific Literate

Speaker

Zeynep Tugba Kahyaoglu

16:10-16:30

Fluid Mechanics and the Ways Pupils Think

Speaker

Daša Červeňová

16:30-16:50

Empowering Primary School Educators in Inquiry-Based Learning: Evaluating the Impact of a Training Program

Speaker

Dr Ioannis Lefkos

17:00

Friday 4 July

13:00

Parallel oral presentations INSTR: Parallel oral presentations 525 INSTR

Session | **Location:** Gorlaeus building, BM1.33, Einsteinweg 55 2333 CC Leiden | **Convener:** Marilù Chiofalo

13:00-13:20 **Length contraction Thought experiment with Secondary students**

Speaker

Floor Kamphorst

13:20-13:40

Teaching Model-based Reasoning in Physics Undergraduate Classrooms, using Computational Simulations

Speaker

Dr Asmita Redij

13:40-14:00

Impact of an Acoustics Course on the Conceptual Understanding of Mechanical Waves Among First-Year Audiology Students

Speaker

Kübra Özmen

14:00-14:20

Enhancing conceptual understanding and reasoning ability in challenging physics classes

Speakers

MARILU CHIOFALO, Prof. Maria Luisa Marilù Chiofalo, Marilu Chiofalo, Marilù Chiofalo

14:30