

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 DIGI

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

Thursday 3 July

09:00

Parallel oral presentations DIGI: Parallel oral presentations 413 DIGI

Session | **Location:** Gorlaeus building, BM1.23, Einsteinweg 55 2333 CC Leiden | **Convener:** Dr Matteo Tuveri

09:00–09:20

Exploring the Effectiveness of AR Headsets and AnReAL in Teaching Motion Concepts

Speaker

Caterina Giovanzana

09:20–09:40

Exploring Potential Use Cases of Immersive Technology in Secondary School Physics

Speaker

Dr PHILIPPA PETTS

09:40–10:00

Advancing Physics Computational Literacy with AI and Open-Source SageMath

Speaker

Dominik Borovský

10:00–10:20

Using Digital Storytelling to Bring Gravitational Waves to School: the GRAVIS Project

Speaker

Dr Matteo Tuveri

10:30

Friday 4 July

13:00

Parallel oral presentations DIGI: Parallel oral presentations 523 DIGI

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

13:00-13:20

Enhancing Engineering Education: A Digital Twin and Interactive Manual Approach for Dynamic Hands-On Learning

Speaker

Bahareh Abdikivanani

13:20-13:40

Exploring the Potential of Interactive e-Books for Enhancing Learning and Teaching in Physics and Astronomy

Speaker

Rosaria Lena

13:40-14:00

Digital Peer-Evaluation in Project-Based Learning: A BuddyCheck Case Study in BSc Electrical Engineering

Speaker

Seyedmahdi Izadkhast

14:00-14:20

Didactical Effect of Teaching with an Open Access Interactive Textbook on Electricity and Magnetism

Speaker

Wim Bouwman

14:30