

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 A1

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

Wednesday 2 July

09:00

Parallel oral presentations AI: Parallel oral presentations 315 AI

Session | **Location:** Gorlaeus building, CM1.26, Einsteinweg 55 2333 CC Leiden | **Conveners:** Guillermina Ávila García, Guillermina Ávila García, Guillermina Ávila

09:00–09:20

Development and Validation of a Performance-Based AI Literacy Assessment Test for High-School Students Enabling Predictions of their Performance in Tasks Involving AI Tools

Speaker

Tobias Patrick Treczoks

09:20–09:40

Validating chained computerised adaptive testing for the Force Concept Inventory

Speaker

Jun-ichiro Yasuda

09:40–10:00

Optimizing Large Language Models Assisted Learning in Experimental Physics Lab

Speaker

Marina Babayeva

10:00–10:20

From the atomic nucleus to popcorn: Guided use of AI for the development of critical thinking in IPN high school

Speakers

Dr Mario Humberto Ramírez Díaz, Guillermina Ávila García

10:30