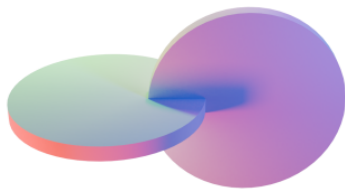


Session Program

June 30, 2025 to July 4, 2025



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

GIREP-EPEC 2025 Conference, Leiden, The Netherlands

Workshops

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

Mon, June 30

1:30 PM

Workshops: Workshop 111 MATH
Session | **Location:** Gorlaeus building, BW0.19, Einsteinweg 55 2333 CC Leiden | **Conveners:** Peter Kop, Prof. Harrie Eijkelhof

1:30 - 3:00 PM

Learning to reason with formulas in grade 10-12 physics and mathematics lessons - MATH

Speakers

Prof. Harrie Eijkelhof, Peter Kop

3:00 PM

1:30 PM

Workshops: Workshop 112 INSTR
Session | **Location:** Gorlaeus building, BW0.18, Einsteinweg 55 2333 CC Leiden | **Convener:** Patrick Diepenbroek

1:30 - 3:00 PM

Scaffolding Dialogues in Upper-Secondary School Physics Classrooms - Using Reasoning Schemes as Co-construction Tools - INSTR

Speaker

Patrick Diepenbroek

3:00 PM

1:30 PM

Workshops: Workshop 113 QUANT
Session | **Location:** Gorlaeus building, BW0.08, Einsteinweg 55 2333 CC Leiden | **Convener:** Nils Haverkamp

1:30 - 3:00 PM

Optic Cubes - A 3D-Printed Modular Kit for Low-Cost Wave Optic Experiments in Education - QUANT

Speakers

Nils Haverkamp, Mr Nils Haverkamp

3:00 PM

Tue, July 1

9:00 AM

Workshops: Workshop 211 ASTRO

Session | **Location:** Gorlaeus building, BE0.18, Einsteinweg 55 2333 CC Leiden | **Convener:** Joanna Holt

9:00 – 10:30 AM

Stargazing Live! Discover the transient Universe in the NOVA Mobile Planetarium - ASTRO

Speakers

Joanna Holt, Mr Joris Hanse

10:30 AM

9:00 AM

Workshops: Workshop 212 TEACH

Session | **Location:** Gorlaeus building, BE0.08, Einsteinweg 55 2333 CC Leiden | **Convener:** Dr Eilish McLoughlin

9:00 – 10:30 AM

Transforming physics teacher professional learning via research and practice - TEACH

Speakers

Dr Eilish McLoughlin, Dagmara Sokolowska

10:30 AM

9:00 AM

Workshops: Workshop 213 INSTR

Session | **Location:** Gorlaeus building, BW0.29, Einsteinweg 55 2333 CC Leiden | **Convener:** David Sokoloff

9:00 – 10:30 AM

Introduction to Active Learning in Optics and Photonics (ALOP) - INSTR

Speaker

David Sokoloff

10:30 AM

3:30 PM

Workshops: Workshop 221 ASTRO

Session | **Location:** Gorlaeus building, BE0.08, Einsteinweg 55 2333 CC Leiden | **Convener:** Marco Kragten

3:30 – 5:00 PM

Understanding stellar properties through conceptual modelling - ASTRO

Speaker

Dr Marco Kragten

5:00 PM

3:30 PM

Workshops: Workshop 222 TEACH

Session | **Location:** Gorlaeus building, BW0.18, Einsteinweg 55 2333 CC Leiden | **Convener:** Farahnaz Sadidi

3:30 – 5:00 PM

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

Speakers

Dr Farahnaz Sadidi, Dr Thomas Prestel

5:00 PM

3:30 PM

Workshops: Workshop 223 INSTR

Session | **Location:** Gorlaeus building, BW0.19, Einsteinweg 55 2333 CC Leiden | **Convener:** Cathy Baars-de Boer

3:30 - 5:00 PM

Building a timer: Modeling Instruction in the Netherlands - INSTR

Speaker

Cathy Baars-de Boer

5:00 PM

3:30 PM

Workshops: Workshop 224 DIGI

Session | **Location:** Gorlaeus building, BW0.29, Einsteinweg 55 2333 CC Leiden | **Convener:** Ton ELLERMEIJER

3:30 - 5:00 PM

Computational Modelling with Graphical Interface and Animations - DIGI

Speaker

Ton ELLERMEIJER

5:00 PM

Wed, July 2

9:00 AM

Workshops: Workshop 311 INF

Session | **Location:** Gorlaeus building, BW0.08, Einsteinweg 55 2333 CC Leiden | **Convener:** Zdeňka Koupilová

9:00 – 10:30 AM

Physics Cards Different? The Same! Recognising Physics Concepts in a Variety of Representations for a Wide Range of Student Activities - INF

Speaker

Zdeňka Koupilová

10:30 AM

9:00 AM

Workshops: Workshop 312 QUANT

Session | **Location:** Gorlaeus building, BW0.18, Einsteinweg 55 2333 CC Leiden | **Convener:** Andrea Lopez-Incera

9:00 – 10:30 AM

Hands-on and kinaesthetic activities to teach quantum mechanics in an engaging, visual way - QUANT

Speaker

Andrea Lopez-Incera

10:30 AM

9:00 AM

Workshops: Workshop 313 LAB

Session | **Location:** Gorlaeus building, BW0.19, Einsteinweg 55 2333 CC Leiden | **Convener:** David Fokkema

9:00 – 10:30 AM

Workshop on Tailor, an application for data analysis and curve fitting in high school and university teaching labs - LAB

Speaker

David Fokkema

10:30 AM

Thu, July 3

9:00 AM

Workshops: Workshop 411 INF

Session | **Location:** Gorlaeus building, BW0.19, Einsteinweg 55 2333 CC Leiden | **Convener:** Ann-Marie Pendrill

9:00 – 10:30 AM

Drievliet: Embodied experiences of physics in Amusement Parks and Playgrounds - INF

Speaker

Prof. Ann-Marie Pendrill

10:30 AM

9:00 AM

Workshops: Workshop 412 INSTR

Session | **Location:** Gorlaeus building, BE0.08, Einsteinweg 55 2333 CC Leiden | **Convener:** Wouter Spaan

9:00 – 10:30 AM

Building Thinking Classrooms in Physics - INSTR

Speaker

Wouter Spaan

10:30 AM

9:00 AM

Workshops: Workshop 413 IDENT

Session | **Location:** Gorlaeus building, BW0.32, Einsteinweg 55 2333 CC Leiden | **Convener:** Oksana Kavatsyuk

9:00 – 10:30 AM

Inclusive Physics Education: Check your course with us! - IDENT

Speakers

Dr Oksana Kavatsyuk, Dr Sofie van den Eynde

10:30 AM

3:30 PM

Workshops: Workshop 421 QUANT

Session | **Location:** Gorlaeus building, BW0.40, Einsteinweg 55 2333 CC Leiden | **Convener:** Maria Bondani

3:30 – 5:00 PM

Highlights of the “Quantum” exhibition: How to exploit ad-hoc designed demonstrators and staging activities to introduce quantum physics to a general audience - QUANT

Speakers

Maria Bondani, Valentina DE RENZI

5:00 PM

3:30 PM

Workshops: Workshop 422 OTHER

Session | **Location:** Gorlaeus building, BW0.19, Einsteinweg 55 2333 CC Leiden | **Conveners:** Ivo Van Vulpen, Peter Denteneer, Ivo van Vulpen, Mr Michiel Thijssen

3:30 – 5:00 PM

Wall formula murals - sharing science stories on the streets - OTHER

Speakers

Ivo Van Vulpen, Prof. Ivo van Vulpen, Mr Michiel Thijssen

5:00 PM

Fri, July 4

9:00 AM	<p>Workshops: Workshop 511 INF (optional for LNPD & TOA's) Session Location: Leiden University, Huygens laboratory, HL3.23, Niels Bohrweg 2 (walking distance) 2333 CA Leiden Convener: Freek Pols</p>
10:30 AM	<p>9:00 - 10:30 AM We have 99 demo's, and so much fun - INF Speakers Freek Pols, Norbert van Veen</p>
9:00 AM	<p>Workshops: Workshop 512 LAB (optional for LNPD & TOA's) Session Location: Leiden University, Huygens laboratory, HL3.14 & HL3.23, Niels Bohrweg 2 (walking distance) 2333 CA Leiden Convener: Fred Schenkel</p>
10:30 AM	<p>9:00 - 10:30 AM Exhibition of demo's and experiments Speaker Fred Schenkel</p>
1:00 PM	<p>Workshops: Workshop 521 LAB Session Location: Gorlaeus building, BW0.19, Einsteinweg 55 2333 CC Leiden Convener: Nastja Mahne</p>
2:30 PM	<p>1:00 - 2:30 PM Changing the role of experiments in learning physics - LAB Speakers Nastja Mahne, Andreja Šarlah, Sergej Faletic</p>
1:00 PM	<p>Workshops: Workshop 522 CLIM Session Location: Gorlaeus building, BW0.29, Einsteinweg 55 2333 CC Leiden Convener: Mieke De Cock</p>
2:30 PM	<p>1:00 - 2:30 PM Tutorials on Critical Thinking in Climate Change - CLIM Speaker Mieke De Cock</p>