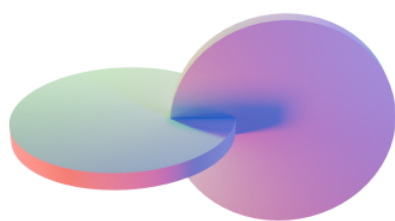


## **Session Program**

**28-29 Jun 2025**



# **GIREP** Summer School

## **GIREP 2025 Summer School, Leiden, The Netherlands**

### ***Working Group 2***

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

# Saturday 28 June

13:45

## Working Group 2: Getting to Know One Another

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

13:45–14:00

### Getting To Know One Another

#### Speakers

Christopher Fischer, Edit Yerushalmi, Dr Ioannis Lefkos, Sergej Faletic

14:00

14:00

## Working Group 2: Session 1

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

14:00–15:15

### Understanding the nature of science and the development of a scientist identity through research internships in modern physics

#### Speaker

Marijn van Nijhuis

15:15

15:30

## Working Group 2: Session 2

**Session** |

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

15:30–16:45

### Exploring the Photoelectric Effect and the Electromagnetic Spectrum through Art Analysis in Physics Education

#### Speaker

Ms Brenda Ixcuiname Saavedra

16:45

16:45

## Working Group 2: Session 3

**Session** |

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

16:45–18:00

### Enhancing Kinematics Learning Through Computational Thinking and Real-Time Graphing

#### Speaker

Mateo Dutra Shaw

18:00

# Sunday 29 June

09:00

## Working Group 2: Session 4

**Session** |

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

09:00–10:15

### Probing Students' Mental Models of the Apparent Motion of the Sun and Stars: Task-based think-aloud interviews

**Speaker**

Rebecca Raskin

10:30

11:00

## Working Group 2: Session 5

**Session** |

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

11:00–12:30

### Developing a learning path on electromagnetic waves

**Speaker**

Mr Danilo Catena

12:30

13:30

## Working Group 2: Session 6

**Session** |

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

13:30–15:00

### Advancing Physics Computational Literacy with AI and Open-Source SageMath

**Speaker**

Dominik Borovský

15:00