

**Session Program**

**30 June 2023**

**IMPRESS Symposium (online)**

***Sparkle talks by Early-Career-Researchers***

## Friday 30 June

09:45

### Sparkle talks by Early-Career-Researchers: Ongoing research in modern physics education research

Session | Location: | Conveners: Magdalena Kersting, Julia Woithe

09:45–09:50

#### Teachers and AI applied to Astronomy: the need for specific training programs

**Speaker**

Andrea Piccione

09:50–09:55

#### Teachers and Relativity: the need for specific training programs

**Speaker**

Matteo Luca Ruggiero

09:55–10:00

#### Translating Exoplanetary Science into Teaching Materials

**Speaker**

Oriel Marshall

10:00–10:05

#### The design and implementation of an Einsteinian energy curriculum in middle school

**Speaker**

Shachar Boubllil

10:05–10:10

#### Supporting secondary school students' understanding of time dilation through simulation-based inquiry learning

**Speaker**

Paul Alstein

10:10–10:20

#### Bio break

10:20–10:25

#### Piloting a Gravitational Wave Astronomy workshop with 14-year-old students in Greece: preliminary findings, barriers, and enablers.

**Speaker**

Emmanouil Chaniotakis

10:25–10:30

#### Investigating high school students' gaze patterns when learning with Feynman diagrams

**Speaker**

Merten Nikolay Dahlkemper

10:30–10:35

#### Students' types of interest in physics

**Speaker**

Sarah Maria Zochling

10:35–10:40

#### Identifying the aims of science shows

**Speaker**  
Ruadh Duggan

10:40–10:45

**Evaluation of a Digital Learning Module about Positron Emission Tomography**

**Speaker**  
Panagiota Chatzidaki

10:50