

Session Program

4-8 Jul 2022

GIREP 2022, Ljubljana, Slovenia

Strategies and Methods

Faculty of Education, University of Ljubljana
Kardeljeva ploščad 16, 1000 Ljubljana, Slovenia

Monday 4 July

15:00

Strategies and Methods

Session | **Location:** Room 212 | **Convener:** Thomas Schubatzky

15:00-15:20 **Friendship drives outside-group collaboration in school physics**

Speaker

Javier Alejandro Pulgar Neira

15:20-15:40 **Development of a climate change concept inventory (CCCI-422)**

Speaker

Dr Thomas Schubatzky

15:40-16:00 **Students' mental models of the Apparent Motion of Sun and stars**

Speaker

Hans Bekaert

16:00-16:20

AMoSS-junior - A new test instrument on the Apparent Motion of Sun and stars for primary school students

Speaker

Prof. Mieke De Cock

16:30

Tuesday 5 July

14:00

Strategies and Methods

Session | Location: Room 212 | Convener: Mo Basir

14:00-14:20

Promoting mechanistic reasoning in physics through the construction of stop-motion animations: A cognitive framework

Speaker

Rayendra Bachtiar

14:20-14:40

Concept Cartoon as a Stimulus for Students' Experimental Activities

Speaker

Tatiana Sukeřová

14:40-15:00

Relationship between mathematical competencies and achievements in physics of 14 year old students

Speaker

Ms Adriana Macuka

15:00-15:20

Multimodal expressions of disciplinary relevant aspects in inquiry-based physics learning, a tool to investigate meaning-making.

Speaker

Mr Roger Andersson

15:20-15:40

The Potential Role of Learning Physics on Paranormal Beliefs

Speaker

Mo Basir

15:45

Thursday 7 July

16:00

Strategies and Methods

Session | Location: Room 212 | Convener: Mieke De Cock

16:00-16:20 **How students understand the one-dimensional wave equation**

Speaker

Muhammad Aswin Rangkuti

16:20-16:40

The role of domain-specific growth mindset (implicit theories) at the beginning of STEM university studies

Speaker

Malte Diederich

16:40-17:00

Teachers' Interpretation of Data Revealed by GrouPer: A Learning Analytic Tool for Personalized Instruction

Speaker

Dr Michal Walter

17:00-17:20

A Disciplinary Learning Companion: lessons learned

Speaker

Prof. Mieke De Cock

17:30