



# GIREP-EPEC 2023 Conference, Košice, Slovakia

## Monday 3 July 2023

### Innovative strategies at school: 007,008,015,017 - Room 2 (13:40 - 15:30)

-Conveners: Chairman: Tetyana Antimirova

time	[id] title	presenter
13:40	[8] Fostering gifted students in physics	KORNER, Marianne
14:00	[7] Critical Reading in Physics Lessons	VELMOVSKÁ, Klára
14:20	[17] Multimedia-supported electricity teaching via the application "Puma : Spannungslabor"	STOLZENBERGER, Christoph
14:40	[15] Trustworthiness as Central Design Principle for Introducing Uncertainties of Measurements to Students	NAGEL, Clemens

## Tuesday 4 July 2023

### Innovative strategies at school: 038,047,056,064,066 - Room 4 (10:40 - 12:40)

-Conveners: Chairman: Jitka Houfková

time	[id] title	presenter
10:40	[56] Effectiveness of MiniPIX detector activities dispelling high school students' misconceptions about radioactivity and ionising radiation	Mr PARCERISAS BROSSA, Daniel
11:00	[64] Measuring the effectiveness of motion simulation programs in high school physics education	RADNAI, Tamás
11:20	[38] The influence of hypotheses before experiments on data-based conclusions after experiments	CHROSZCZINSKY, Sophia
11:40	[47] DBR projects in Physics Education Research – why and how?	Prof. HAAGEN-SCHÜTZENHÖFER, Claudia
12:00	[66] Investigating high school students' gaze patterns when learning with Feynman diagrams	DAHLKEMPER, Merten Nikolay

### Innovative strategies at school: 044,153,146,158,085 - Room 5 (13:40 - 15:30)

-Conveners: Chairman: Katarína Kozelková

time	[id] title	presenter
13:40	[146] Teaching electric circuits using real-world contexts – effects on conceptual understanding, interest, and self-concept	GOTTSCHLICH, Benedikt
14:00	[153] Heat and temperature in middle school: step by step towards complexity through experiments and a narrative approach	CORNI, Federico
14:20	[85] Probing a space exploration awareness in a Swedish secondary school	POPOV, Oleg
14:40	[44] The Impact of Using Multimedia Technology in Learning Conceptual Electrical Knowledge	FRANK, Florian
15:00	[158] Students' perceptions on the assessment in physics lessons	KOZELKOVÁ, Katarína

## Wednesday 5 July 2023

### **Innovative strategies at school: 011,162,026 - Room 4 (13:40 - 15:10)**

**-Conveners: Chairman: Wim Peeters**

time	[id] title	presenter
13:40	[11] Measurement uncertainties: when to introduce the topic in secondary education?	Dr KOK, Karel
14:00	[26] Introduction of Newton's laws through model rocket construction	PESTHY, Sándor Gergely
14:20	[162] RPG-based Gamification in Physics Teaching	HERENDI, Borbála

### **Innovative strategies at school: 121,179,189,163 - Room 4 (16:40 - 18:10)**

**-Conveners: Chairman: Federico Corni**

time	[id] title	presenter
16:40	[121] Teachers' perspectives and practices on teaching the properties of matter	ÜNAL, Ayçin
17:00	[179] Theatrical Activities on Magnetic Phenomena for the Scientific Learning in Primary School	SUALDIN, Irene
17:20	[163] Elixir to Schools - Attracting and supporting the teachers of the youngest to take up science	HOUFKOVÁ, Jitka
17:40	[189] Promoting inquiry skills in lower secondary level. Physics from the suitcase	BENCZIK, Izabella Julia