

TiMER General Timetable

	Tuesday, 13 September 2022	Wednesday, 14 September 2022	Thursday, 15 September 2022	Friday, 16 September 2022	
08:00 - 08:30					
08:30 - 09:00		Late registration			
09:00 - 09:30		Plenary Lecture Nada Vondrova	Plenary Lecture Matthew Inglis	Workshop Matthew Inglis	
09:30 - 10:00					
10:00 - 10:30		Coffee break	Coffee break		
10:30 - 11:00		Research Reports 2	Research Reports 4	Coffee break	
11:00 - 11:30					Research Reports 5
11:30 - 12:00					
12:00 - 12:30					
12:30 - 13:00					
13:00 - 13:30	Registration & Welcome coffee with snacks	Lunch	SOCIAL EVENT in Wieliczka: Lunch & Excursion (Salt Mine) & Conference Dinner	Closing Session	
13:30 - 14:00	Opening Session				
14:00 - 14:30		Workshop Edyta Nowińska			
14:30 - 15:00	Plenary Lecture Benjamin Rott				
15:00 - 15:30	Coffee break	Coffee break			
15:30 - 16:00					
16:00 - 16:30	Plenary Lecture Lara Alcock	Research Reports 3			
16:30 - 17:00					
17:00 - 17:30					
17:30 - 18:00	Research Reports 1				

TiMER conference will take place at the Pedagogical University of Krakow, Podchorążych 2 Street (new building).

Room: A1 auditorium

Invited Plenary Lectures

Tuesday, 13 September 2022, 14:30 – 15:30

Benjamin Rott: *Research on mathematical problem solving – Quo Vadis?*

Chairperson: Edyta Nowińska

Tuesday, 13 September 2022, 16:00 – 17:00

Lara Alcock: *Eye Tracking in Mathematics Education*

Chairperson: Mirosława Sajka

Wednesday, 14 September 2022, 09:00 – 10:00

Nad'a Vondrová: *Parameters influencing the difficulty of mathematical word problems*

Chairperson: Ewa Swoboda

Thursday, 15 September 2022, 09:00 – 10:00

Matthew Inglis: *Five decades of mathematics education research*

Chairperson: Konstantinos Tatsis

Invited Workshops

Wednesday, 14 September 2022, 13:30 – 14:40

Edyta Nowińska: *Metacognitive support in class discussions – research problems, research methods*

Friday, 16 September 2022, 09:00 – 10:30

Matthew Inglis: *Eye Tracking in Mathematics Education*

Research Reports

sessions of 20 minutes of research presentations, followed by a 10-minute discussion

Research Reports 1

Tuesday, 13 September 2022, 17:00 – 18:00

Chairperson: Edyta Juskowiak

1. Franka Miriam Brückler and Željka Milin Šipuš: *Pre-service teachers of mathematics – their attitudes and critical thinking skills regarding probability*
2. Eliza Jackowska-Boryc and Anna Pyzara: *Comparison of the importance of feedback in mathematics lessons in online and classroom learning*

Research Reports 2

Wednesday, 14 September 2022, 10:30 – 13:00

Chairperson: Ingrid Semanišínová

1. Esperanza López Centella: *Mathematical task analysis of a Hejny Method 6th grade textbook*
2. Božena Maj-Tatsis and Konstantinos Tatsis: *Young children's reasoning in a combinatorics task*
3. Marta Pytlak: *Creative approach to solving a task by the fourth grade students*
4. Edyta Juskowiak: *Ways of students solving proof tasks and teacher's readiness to provoke students' critical thinking*
5. Ieva Kilienė: *'P problem' as a tool to test student's misunderstandings about fractions*

Research Reports 3

Wednesday, 14 September 2022, 16:00 – 18:00

Chairperson: Željka Milin Šipuš

1. Monika Grigaliūnienė and Erno Lehtinen: *What to show and what to mention: findings of systematic literature review on research of mathematics Pedagogical Content Knowledge*
2. Abimbola Akintounde and Eliza Jackowska-Boryc: *Teachers' perception of students' critical thinking and their evaluation of mathematics exploration*
3. Matej Slabý and Ingrid Semanišínová: *Developing mathematics teachers' specialized knowledge for teaching the function concept*
4. Monika Krišáková: *Beliefs of Slovak mathematics teachers about mathematics and mathematics teaching in the context of functional thinking development*

Research Reports 4

Thursday, 15 September 2022, 10:30 – 12:30

Chairperson: Bożena Maj-Tatsis

1. Edyta Nowińska and Elena Kok: *Assessing preservice teachers' development of noticing metacognitive and discursive activities*
2. Janka Medová and Silvia Haringová: *Factors affecting collaboration in designing and enacting MathCityMap trails by in-service teachers*
3. Jolanta Sobera, Anna Szczerba-Zubek and Katarzyna Zajac: *Observe - program. Math as a bridge between everyday life and programming - summary after 7 years of workshops*
4. Agnieszka Bojarska-Sokołowska: *The use of an interactive form of education in the process of learning mathematics*

Research Reports 5

Friday, 16 September 2022, 11:00– 13:00

Chairperson: Janka Medová

1. Natalia Cieślár, Sylwia Kania & Jolanta Sobera: *Mathematical analysis and programming - research on teaching mathematics in computer science and mathematics studies*
2. Sylwia Pater: *Intuitive and rational decision-making system while solving mathematical tasks – eyetracking research*
3. Mirosława Sajka and Roman Rosiek: *Understanding function as a tool for describing movement - excerpts from research with the use of eye tracking*
4. Roman Rosiek and Mirosława Sajka: *Eye tracking research on difficulties of using the concept of function in kinematics*
5. Estelle Szafran: *Mathematisation and modelling - comparing abilities of IB DP and Polish programme students*
6. Begüm Özmuşul: *An experimental study on pre-service teachers' algebra teaching knowledge*