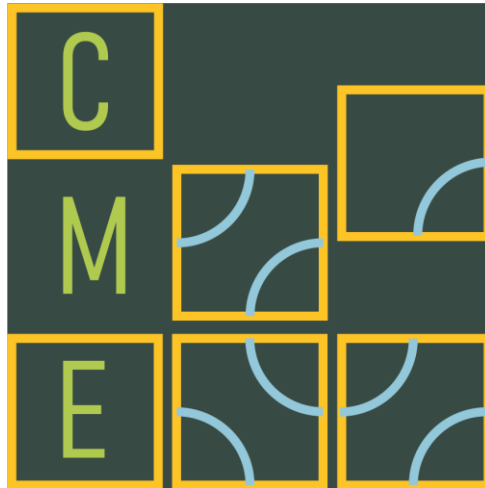


CME 2022

Contemporary Mathematics Education



Critical thinking practices in mathematics education and beyond

CONFERENCE PROGRAM



GDANSK, POLAND

27 - 30 JUNE 2022

CME'22 General timetable

Date/Hour	Monday 27.06	Tuesday 28.06	Wednesday 29.06	Thursday 30.06
9.00 - 9.30	Registration	Late registration	Plenary Mariotti	
9.30 - 10.00		Working Seminars 2		Working Seminars 3
10.00 - 10.30	Opening ceremony			
10.30 - 11.00	Plenary Levenson			
11.00 - 11.30		Posters & Coffee	Coffee	Coffee
11.30 - 12.00	Coffee			
12.00 - 12.30	Working Seminars 1	Research Reports	Research Reports	Workshops
12.30 - 13.00				
13.00 - 13.30				
13.30 - 14.00	Lunch	Lunch	Lunch	Lunch
14.00 - 14.30				QC Anniversary
14.30 - 15.00	Research Reports	Guided City Walk & European Solidarity Centre	Workshops	Working Seminars Reports
15.00 - 15.30				
15.30 - 16.00				Closing Ceremony
16.00 - 16.30	Coffee			
16.30 - 17.00	Workshops			
17.00 - 17.30				
17.30 - 18.00				
18.00 - 18.30				
18.30 - 19.00				
19.00 - 22.00	Welcoming event		Conference dinner	

The CME'22 conference will take place in Gdansk,
at the building of the Faculty of Social Sciences of the University of Gdańsk:
ul. Jana Bażyńskiego 4
80-309 Gdańsk

Conference secretariat: Room C201

DETAILED CONFERENCE PROGRAM

Monday, 27.06

9:00 – 10:00	Registration		
10:00 – 10:30	Opening ceremony Auditorium S208		
10:30 – 11:30	Plenary lecture: Esther Levenson Mathematical creativity in the classroom: Teachers' beliefs and values (chairperson: Bozena Maj-Tatsis) Auditorium S208		
11:30 – 12:00	Coffee Hall		
12:00 – 13:30	Working seminars 1		
	Room C203 3-9, leader: Konstantinos Tatsis	Room C205 10-13, leader: Antonín Jančařík	Room C204 14-18, leader: Lambrecht Spijkerboer Edyta Juskowiak
13:30 – 14:30	Lunch <i>Restauracja U Józefa</i> (Faculty of Social Sciences building)		
14:30 – 16:00	Research reports		
	Session A (chairperson: Lambrecht Spijkerboer) Room C203 Emőke Báró Observing critical thinking during online pair work Andreas Moutsios-Rentzos, Georgia Benou An investigation about the links of geometrical thinking with spatial ability and formal reasoning Eliza Jackowska-Boryc Critical thinking in modelling real-life phenomena based on students' explorations	Session B (chairperson: Edyta Juskowiak) Room C204 Sotirios Katsomitros, Konstantinos Tatsis Primary teachers' pedagogical design capacity for a smooth mathematical transition from primary to secondary education Esperanza López Centella A study on the use of mathematical senses and critical thinking of student teachers Bożena Maj-Tatsis, Konstantinos Tatsis Critical thinking in mathematics education: the researchers' perspectives	
16:00 – 16:30	Coffee Hall		

16:30 – 18:00	Workshops	
	Room C203 Ivona Grzegorzcyk Magic tricks introducing algebraic concepts and abstract thinking	Room C204 Eszter Kónya, Zoltán Kovács Is paper folding just an activity for small children?
19:00 – 21:00	Welcoming Event <i>Officina Vinegre</i> Aleja Grunwaldzka 415, Gdańsk	

Tuesday, 28.06

9:00 – 9:30	Late registration		
9:30– 11:00	Working seminars 2		
	Room C203 3-9, leader: Konstantinos Tatsis	Room C205 10-13, leader: Antonín Jančařík	Room C204 14-18, leader: Lambrecht Spijkerboer Edyta Juskowiak
11:00 – 12:00	Poster Session & Coffee Hall		
12:00 – 13:30	Research reports		
	Session A (chairperson: Andreas Moutsios-Rentzos) Room C203 Mirosława Sajka, Edyta Tomoń Critical thinking in overcoming a faulty decision-making system when solving mathematical tasks Edyta Nowińska Metacognitive activities as a means to enhance students' critical thinking Linda Devi Fitriana First experience with problem-posing: what can be done with a multiplication table?	Session B (chairperson: Eva Nováková) Room C204 Tobias Huhmann, Chantal Müller Manipulation possibilities and manipulation realities with digital media by learning mathematics Marta Pytlak One task – different solutions Anna Pyzara Difficulties of students with critical thinking during proving	
13:30– 14:30	Lunch <i>Restauracja U Józefa</i>		
15:00 – 19:00	Guided City Walk* & European Solidarity Centre		

* At 15:00 meeting with the guide under the torture chamber at the beginning of the Royal Route. For more details see the "Practical information" at the website.

Wednesday, 29.06

9:00 – 10:00	Plenary lecture: Maria Alessandra Mariotti Educating to rationality: from argumentation to mathematical proof (chairperson: Eszter Kónya) Auditorium S208		
10:00– 11:30	Working seminars 3		
	Room C203 3-9 , leader: Konstantinos Tatsis	Room C205 10-13 , leader: Antonín Jančařík	Room C204 14-18 , leader: Lambrecht Spijkerboer Edyta Juskowiak
11:30 – 12:00	Coffee Hall		
12:00 – 13:30	Research reports		
	Session A (chairperson: Christof Schreiber) Room C203 Esther S. Levenson, Ruthi Barkai, Pessia Tsamir, Dina Tirosh, Leah Guez Sandler Activities suggested by adults: counting and enumerating Eva Nováková Reflection of pupils' composition of word problems: a contribution to the development of didactic competences of prospective primary school teachers	Session B (chairperson: Ineta Helmane) Room C204 Tobias Huhmann, Sabine Vietz (How) do trainee teachers support mathematical thinking? Ivona Grzegorzcyk Improving understanding of logarithms using cryptography-based activities Tobias Huhmann, Ellen Komm Critical thinking in early arithmetics: discovering and reflecting on task solutions within reciprocally designed learning environments	
13:30– 14:30	Lunch <i>Restauracja U Józefa</i>		
14:30 – 16:00	Workshops		
	Room C203 Abimbola Akintounde Balance rigor, relevance & socio-emotional learning in math	Room C204 Kalina Jastrzębowska Opening tasks, opening minds...	
19:00 – 22:00	Gala Dinner <i>Restauracja Nad Potokiem</i> ul. Morska 4, 80-341 Gdańsk - Jelitkowo		

Thursday, 30.06

9:30 – 11:00	Working seminars 4		
	Room C203 3-9 , leader: Konstantinos Tatsis	Room C205 10-13 , leader: Antonín Jančařík	Room C204 14-18 , leader: Lambrecht Spijkerboer Edyta Juskowiak
11:00 – 11:30	Coffee Hall		
11:30 – 13:00	Workshops		
	Room C203 Eliza Jackowska-Boryc Combinatorics is fun	Room C204 Lambrecht Spijkerboer Deep learning in mathematics education	
13:00 – 14:00	Lunch <i>Restauracja U Józefa</i>		
14:00 – 14:30	Quality Class Anniversary Lambrecht Spijkerboer Auditorium S208		
14:30 – 15:30	Reports from Working Seminars Auditorium S208		
15:30 – 16:00	Closing ceremony Auditorium S208		