

The 9th International Scientific Colloquium

MATHEMATICS AND CHILDREN

founded by Margita Pavleković

PROGRAM

FRIDAY, May 19

8.00 - 9.00 Registration
9.00 - 9.30 OPENING

Morning Session

Room 31 / Chairperson: Diana Moslavac Bičević	
Plenary lecture	
9.30 - 10.15	Milena Stavric, Albert Wiltsche <i>Spatial Ability In the Digital Age - Designing innovative analogue games</i>
10.15 - 10.30	Attila Bölcskei <i>Connecting statistics with spatial abilities</i>
10.30 - 10.45	András Ambrus, Pál Katonka <i>"Seeing" at solving algebraical problems</i>
10.45 - 11.00	Ljiljana Arambašić <i>On the teaching of linear algebra</i>
11.00 - 11.30	Coffee Break

Room 31 / Chairperson: Ljerka Jukić Matić	
11.30 - 11.45	Doris Dumičić Danilović, Sanja Rukavina <i>On the use of visualization when performing basic arithmetic operations</i>
11.45 - 12.00	Ana Krišto, Ana Kuzle, Dubravka Glasnović Gracin <i>Collective classroom climate in geometry lessons</i>
12.00 - 12.15	Janka Szeibert, Csilla Zámbo, Anna Muzsnay, Csaba Szabó <i>The potential of number theory in the development of mathematical thinking</i>
12.15 - 12.30	Adrijana Mastnak, Tatjana Hodnik <i>Preschool teacher's planning and implementation of dialogic teaching in dealing with combinatorics situations</i>
12.30 - 12.45	Branka Antunović Piton <i>Implementation of scientific findings in the 7th-grade teaching process - Preliminary results of collaborative action research</i>
12.45 - 13.00	Sanja Vranić <i>Fermi problems as a mathematical modeling activity in secondary education</i>
13.00 - 14.00	Lunch

Afternoon Session

Room 31 / Chairperson: Ljerka Jukić Matić	
Plenary lecture	
14.00 - 14.45	Jasmina Milinković <i>Representations in mathematics teaching - How to make a choice?</i>
14.45 - 15.00	Vida Manfreda Kolar, Klara Paulič, Uršula Podobnik <i>The role of mathematical picture books in teaching the concept of zero to first grade</i>
15.00 - 15.15	Eszter Kónya, Ibolya Szilágyiné-Szinger <i>On the experience of a problem-posing activity with second grade primary school pupils</i>
15.15 - 15.30	Coffee Break

A section

Room 31 / Chairperson: Ana Mirković Moguš	
15.30 - 15.45	Bojan Crnković, Vedrana Mikulić Crnković, Ivona Traunkar <i>Development of computational thinking through interdisciplinary activities in mathematics education</i>
15.45 - 16.00	Tomislav Rudec, Anja Šteko <i>Advanced education methods and application of mathematical knowledge in classes with advanced programmers</i>
16.00 - 16.15	Saša Duka, Ružica Kolar-Šuper, Zdenka Kolar-Begović <i>The specifics of solving mathematical problems using model based on the Tablet-Human Hybrid Model of Avatar in university face-to-face teaching</i>
16.15 - 16.30	Lidija Eret, Marjana Kuliš <i>Hybrid teaching and outcome indicators of the state graduation exam in mathematics</i>

B section

Room 21 / Chairperson: Ana Katalenić	
15.30 - 15.45	Marijana Zeljić, Milana Dabić Boričić, Svetlana Ilić <i>Superficial strategies in solving compare-combine problems</i>
15.45 - 16.00	Sanja Rukavina, Doris Dumičić Danilović, Marina Šimac <i>Mathematics teachers' continuous professional development - Reflections on Lifelong Learning Program "Enactive Learning in Mathematics"</i>
16.00 - 16.15	Hana Čadež, Ana Brudar <i>The importance of the mathematics teacher and special educator working together to support low-achieving pupils in mathematics</i>
16.15 - 16.30	Edith Debrenti, Tünde Klára Baranyai <i>Analysis of logical operational abilities and logical reasoning among university students</i>

16.45 Excursion and Colloquium Dinner (Erdut, Stari mlin)

SATURDAY, May 20

Morning Session

Room 31 / Chairperson: Mihaela Ribičić Penava	
Plenary lecture	
9.00 - 9.45	Mirela Jukić Bokun, Ljerka Jukić Matić <i>Game-based learning in mathematics</i>
9.45 - 10.00	Eleonóra Stettner <i>STEAM-BOX project</i>
10.00 - 10.15	Monika Zupančić, Tatjana Hodnik <i>The traditional-contemporary construct in relation to the learning paradigms in the discipline of didactics of mathematics</i>
10.15 - 10.30	Josipa Čuka, Maja Cindrić, Maja Čuletić Čondrić <i>Teacher's beliefs about teaching mathematics and teaching practice in Croatian primary schools</i>

A section

Room 31 / Chairperson: Zdenka Kolar-Begović	
11.00 - 11.30	Emil Molnár <i>On Kárteszi points of a triangle, via three reflections theorem and geometric algebra</i>
11.30 - 11.45	Maja Čuletić Čondrić, Maja Cindrić, Josipa Čuka <i>The importance of thought transformations in learning geometry based on Van Hiele's theory</i>
11.45 - 12.00	Nikolina Kovačević <i>Learner-generated drawings in mathematics: Who? When? How?</i>
12.00 - 12.15	Marija Jakuš <i>Sudoku puzzle</i>
12.15 - 12.30	Maja Cindrić, Josipa Čuka, Maja Čuletić Čondrić <i>Mathematics teaching in public schools in Croatian countries in the era of proto-modernization</i>

B section

Room 22 / Chairperson: Karolina Dobi Barišić	
11.00 - 11.15	Zoran Horvat, Ružica Jurčević <i>Digital pedagogy and teaching mathematics - Trends, perspectives, limitations and challenges</i>
11.15 - 11.30	Ivana Đurđević Babić, Natalija Bošnjaković <i>Decision trees in research on mathematics in elementary school</i>
11.30 - 11.45	Dubravka Glasnović Gracin, Ana Krišto <i>Requirements in digital mathematics textbooks: Development of the framework for task analysis</i>
11.45 - 12.00	Anja Horvat, Hana Horvat, Hanna Jakovac, Anamarija Kanisek, Ana Katalenić <i>Word problems in the textbooks for primary mathematics education in Croatia</i>
12.00 - 12.15	Goran Trupčević, Anđa Valent, Ana Žgaljić Keko <i>Discipline of noticing – The case of three university teachers</i>
12.15 - 12.30	Darija Marković, Ljerka Jukić Matić <i>Games in mathematics classroom: What do teachers and students think about them?</i>
12.30 - 12.45	Ljiljanka Kvesić, Maja Zubac, Marina Lasić <i>Mathematical teaching of preschool children through elements of performing arts</i>

13.00 CLOSING

LUNCH

FACULTY OF EDUCATION, OSIJEK

May 19-20, 2023

