

**Doctoral Students' Conference:
Tradition, Development &
Innovation in Didactics - Early
Career Researchers Conference**

TDID - ECR

**2-3
December
2021**

Doctoral Students' Conference: Tradition, Development & Innovation in Didactics - Early Career Researchers Conference (TDID - ERC)

PROGRAM

2 December 2021, Thursday (Central European Time – UTC+1)

13:20 - 13:30 – Opening of the English sessions

13:30 - 14:15 - Keynote 1 - **Jaeger Clemens** (Johannes Kepler University, Austria): Developing expert training for tutors as part of an Educational Design Research project

14:15 - 15:15 - Parallel sessions

14:15 – 14:35	<p>Session 1</p> <p>Kleopatra Paskou (University of Patras, Greece): Mental representations of students of the Department of Education and Preschool Education for the rainbow</p>	<p>Session 2</p> <p>Guillermo P. Bautista Jr. (University of the Philippines, Philippines): Using Gamification in Teacher Training: Collaborating to Design GeoGebra Activities for Teaching Mathematics</p>	<p>Session 3</p> <p>Jeong Mintzu (Johannes Kepler University, Austria/Republic of Korea): Computational thinking with analog tool</p>
14:35 – 14:55	<p>Jukka Sinnemäki (Johannes Kepler University, Austria/Finland): The effects of the use of technology and exercise in the school environment</p>	<p>Edina-Timea Opreș (Babeș-Bolyai University, Romania): Students' opinions about solving problems individually and in groups</p>	<p>Fruzsina Eszes (Eötvös Loránd University, Hungary): Research on improvisation in teaching</p>
14:55 – 15:15	<p>Lavinia Suteu (Babeș-Bolyai University, Romania): The relationship of metacognition with science misconceptions in prospective teachers</p>	<p>Brigitta Békési (Johannes Kepler University, Austria): Showtime – the positive effects of home schooling</p>	<p>Lisa Kuka (Johannes Kepler University, Austria): How AI is used in (Higher) Education: A Review</p>
	Session 4	Session 5	Session 6

14:15 – 14:35	Matthew Rudy Meangru (University of East Anglia, United Kingdom): Utilising Mathematical Modelling and 3D Printing Activities to Explore and Impact Prospective Teachers' Mathematical Affect, Identities and Competence Through a Communities of Practice Lens	Tomáš Botlík (Charles University, Czech Republic): Use of multimedia language lab SmartClass at primary and secondary schools in the Czech Republic	Bartalis Ágnes (Babeş-Bolyai University, Romania): Comprehension of mathematical text in primary school
14:35 – 14:55	Einav London (Babeş-Bolyai University, Romania/Israel): Art your math	Marina Rottenhofer, Sandra Leitner, Johannes Kepler (Johannes Kepler University, Austria): Vocabulary Acquisition through Modeling: a Comparative Study on Visual and Textual Vocabulary Instruction	Oi Mei Teo (Johannes Kepler University, Austria/ Singapore): How do we design arts-integrated and technology supported learning tasks that can impact on students' metacognitive skills in mathematics?
14:55 – 15:15	Shereen ElBedewy (Johannes Kepler University, Austria/Egypt): Challenges in the Mathematical Modelling Analysis in STEAM practices	Roxana-Mădălina Cristea (Babeş-Bolyai University, Romania): The Zone of Proximal Development and Teaching Expertise in Classroom Settings	Qëndresa Morina (Charles University, Czech Republic): Block model approach and its effect on word problem solving, a case study

15:15 - 15:30 - break

15:30 - 16:30 - Parallel sessions

15:30 – 15:50	Session 7 Tahir Ramzan (Pakistan): The 2D and 3D Motion: Learning through the best mix of Pedagogy & Technology	Session 8 Moshe Facler (Babeş-Bolyai, Cluj-Napoca, Romania): Personalized learning effectiveness in the digital era in high schools	Session 9 Magdolna Somos (University of Debrecen, Hungary): <i>Did Brexit change your university plans?</i>
15:50 – 16:10	Abril Armenta Franco (Johannes Kepler University, Austria): Experiments and VR as Physics' Communication and Motivation Tools!	Pasttita Ayu Laksmiwati (Johannes Kepler University, Austria): Digging the Potential of STEAM Hybrid Learning Environment	Ulla Paraluppi (Johannes Kepler University, Austria): How to motivate more teachers to apply for the position as a principal in compulsory schools
16:10 – 16:40	Johanna Zöchbauer (Johannes Kepler University, Austria): A GeoGebra Classroom Case Study in a Technical Drawing Lesson	Nilay Aral (Danube University Krems /Johannes Kepler University, Austria): A Distributed Item Calibration Approach for Computerized Adaptive Testing in Math Education	Tomáš Riemel (Palacký University Olomouc, Czech Republic): Polynomial-exponential Diophantine equations
15:30 – 15:50	Session 10 Fadhlan Muchlas Abrori (Johannes Kepler University, Austria/Indonesia): Introducing socio-scientific issues to students through digital comics in STEAM learning	Session 11 Abdallah Asli (Babeş-Bolyai University, Romania/Israel): Teacher's Attitudes towards Teaching mathematics and ITS applications in other disciplines	Session 12 Andrea Fodor (Eszterházy Károly Catholic University, Hungary): Opportunities for strengthening certain professional competences in Hungarian higher education through ICT
15:50 – 16:10	Zaira Ortiz-Laso (University of Cantabria, Spain): Evaluating the STEAM	José Ronaldo Alves Araújo (Pontifical Catholic University of São Paulo, Brazil): GeoGebra	Karin Tengler (Johannes Kepler University, University of Teacher Education Lower

16:10 – 16:40	project-based learning instruction from a mathematical perspective	contributions to Transnumeration: a study involving graphical analysis of data Pia WimmerFurian (Johannes Kepler University, Austria): Out-Of-Field-Teaching	Austria, Austria): Tell, Draw & Code - Investigating Teacher Perceptions of Supporting Computational Thinking through Robotics-based Storytelling Activities in Primary Education
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16:30 - 17:30 - Open ECR forum - **Kristinsdóttir Bjarnheiður** (University of Iceland, Iceland)

3 December 2021, Friday (Eastern European Time - UTC+2)

13:00 - 13:10 - Opening of Romanian sessions

13:10 - 13:50 - Keynote 2 – **Stoilescu Dorian** (Western Sidney University, Australia): Developing research models and paradigms in learning mathematics and computer science

13:50 - 14:30 - Keynote 3 - **Dănilă Gențiana** (Université de Paris, France): Specificities of the French educational system

14:30 – 14:45 break

14:45 - 15:45 - Parallel sessions

14:45 – 15:05	Session 13 Juhász Anna (Babes-Bolyai University, Romania): Designing and experimenting a board-game for learning Romanian by Hungarian speaking primary school pupils	Session 14 Cheia Florin (State University from Moldova): Conceptual framework for the intervention of the support teacher in carrying out the individualized training of children with SEN
15:05 – 15:25	Merticariu Elena Veronica (Babes-Bolyai University, Romania): Migration, a challenge for the todays educational systems	Fantana Ana (Babes-Bolyai University): The role of parents in carrying out extracurricular educational activities with young people. Questionnaire-based research
15:25 – 15:45	Popovici Iona (Cahul State University „B. P. Hasdeu”, Republic of Moldova): Experimental approaches on the influence of cloud technologies on the development of learner's digital communication competence	Acatrinei Irina Roxana (Babes-Bolyai University): Peculiarities of multigrade teaching in primary school from Romania

15:45 - 16:00 - break

16:00 - 17:00 - Parallel sessions

16:00 – 16:20	Session 15 Bărnăuțiu (Sârca) Marinela, Pop Cristina Florina (Babes-Bolyai University, Romania): Implementation of the integrated STEM/STEAM/STREAM approach in the Romanian education system through IBL	Session 16 Nicola Nicoleta Alina (Babes-Bolyai University, Romania): The role of the moral model in preschool education. Teachers' perspective
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16:20 – 16:40	Stan Loredana Alina (Babes-Bolyai University, Romania): Self-assessment methods used in preschool education. Teachers' perspective	Popovici Adina (Babes-Bolyai University, Romania): Moral education in primary school: development and challenges
16:40 – 17:00		Băbuț Teodora Mirela (Babes-Bolyai University, Romania): Collaboration between family and kindergarten in the education of children in Romania. Parents' perspective

17:00 - 17:30 - Discussions

16:00 - 16:10 - Opening of the Hungarian sessions

16:10 - 16:50 - Keynote 4 - **Námesztovszki Zsolt** (Novi Sad University, Serbia): How to Teach Online Effectively – Technical and Methodological Approach

16:50 - 17:50 - Parallel sessions

	Session 17	Session 18	Session 19
16:50 – 17:10	Kozmané-Fejes Zsuzsanna (Columbia University, USA): The History of Periodicals in Hungarian Secondary Mathematics Education between 1867 and 1956	Bognár Mária (University of Pécs, Hungary): Innovative competence development methods in adult education institutions in Somogy county	Hetesiné Korcsok Edit (University of Pécs, Hungary): The role of playful methods in the teaching of religion and ethics
17:10 – 17:30	Papp Beáta (University of Pécs, Hungary): Hungarian-Italian bilingual education: a textbook dilemma	Kocsis Zsófia (University of Debrecen, Hungary): Working Students in STEM Higher Education	Hari Tünde Hajnalka (Babes-Bolyai University, Romania): Gamifying geography teaching in elementary classes
17:30 – 17:50	Csonka Éva (University of Debrecen, Hungary): The impact of high school teachers on the motivations and choices of graduate students for teaching careers	Fanni Kőrösiné Vitkóczy (Eötvös Loránd University, Hungary): Measurements with a thermistor thermometer in secondary school	Tímea Miltner (Eötvös Loránd University, Hungary): "Let's play doctor!" project in physics class - teaching radiation physics in a different way

17:50 - 18:10 - break

18:10 - 19:10 - Parallel sessions

	Session 20	Session 21	Session 22
18:10 – 18:30	Somné Huszti Anett (University of Debrecen, Hungary): Environmental education in the forest school	Hajnalka Ollé (Eötvös Loránd University, Hungary): Exoplanet transit analysis in a classroom	Bálint-Svella Éva Katalin (Babes-Bolyai, Romania): Developing computational thinking in preschool with educational robots
18:30 – 18:50	Eszter Kovács-Kószó (University of Szeged, Hungary): Cooperative classroom nowadays in Hungary	Jakab Natália (University of Pécs, Hungary): Possibility to take into account student diversity among students with disadvantages along the lines of Gardner intelligence	Endródi-Kolip Heléna (University of Pécs): Possible adaptation of the Gardner concept in nursery, in Hungarian and German language areas
18:50 – 19:10	Csontosné Herendi Borbála (Eötvös Loránd University, Hungary): Kahoot! – Blessing or curse?		

19:10 - 19:40 – Discussions