

END 2023 CONFERENCE PROGRAM

| Friday, June 23 (Only for conference check-in) | |
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| 16:30 – 18:30 | Welcome Desk – Information and registration (Room Eduardo Viana IV) |

| Saturday, June 24 | | |
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| 08:15 – 19:25 | Welcome Desk – Information and registration (Room Eduardo Viana IV) | |
| 09:45 – 10:00 | OPENING SESSION (Room Eduardo Viana) | |
| 10:00 – 11:00 | Keynote Session (Room Eduardo Viana) | <u><i>Towards transformation of education in the digital age</i></u> by Dr. Omid Noroozi , Associate Professor of Educational Technology, Wageningen University and Research (WUR), The Netherlands |
| 11:00 – 11:30 | Coffee Break | |
| 11:30 – 13:10 | PROJECTS AND TRENDS Technology in teaching and learning Oral Presentations Parallel Session OPS_24.1 (Room Eduardo Viana I+II+III) Chair: Stephan Schmucker | <u><i>An approach to game-based learning, collaboration and design challenges for teaching the design of mechatronic systems</i></u> (OP_ 187) Michael Wendland <u><i>Gamifying cybersecurity: a study of the effectiveness of a specific gamified tool</i></u> (OP_ 541) Giuseppe Trombino <u><i>Scaffolding argumentative essay writing: An online scripted peer feedback and peer feedforward module</i></u> (OP_ 190) Saeed Latifi, Omid Noroozi, & Seyyed Kazem Banihashem <u><i>An empirical analysis of BERT embedding for automated open ended response mathematics questions scoring</i></u> (OP_ 443) HueyMin Wu, YuChing Lin, & HungSheng Lin <u><i>Understanding how the cyberculture has influenced learning strategies choices before and during the pandemic</i></u> (OP_ 537) Janaina Cardoso |
| 11:30 – 13:10 | TEACHING AND LEARNING Critical Thinking // Educational foundations Oral Presentations Parallel Session OPS_24.2 (Room Almada Negreiros I) Chair: Gudrun Marci-Boehncke | <u><i>Rethinking learning potentials: The benefits of learning across the life span</i></u> (OP_ 067) Denise Calhoun, & Reyna García Ramos <u><i>Microaggressions in higher education: Peace-building, safe space and hospitality</i></u> (OP_ 143) Nathalie Piquemal <u><i>Can the analysis of the play the streetcar named desire by Tennessee Williams through the social model of disability, encourage the development of critical thinking?</i></u> (OP_ 576) Izabela Potnar Mijić <u><i>Enhancing critical thinking and communication skills of Black Male secondary students for successful STEM careers</i></u> (OP_ 605) Dwayne C. Joseph, Tiffany Bussey, Cynthia Trawick, Natasha Crosby, Shannon Jolly, & Melissa Demetrikopoulos <u><i>Recomposition and photomontage as a stimulus for the development of creativity in teaching visual arts</i></u> (OP_ 082) Marija Brajčić, & Dubravka Kušćević |

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| 11:30 – 13:10 | TEACHERS AND STUDENTS Oral Presentations Parallel Session OPS_24.3 (Room Almada Negreiros II) Chair: Yvonne Knospe | <u>Developing competencies in supporting beginning teachers: Comparing the results of two studies in a mentoring context (OP_041)</u> Nathalie Gagnon, Andréanne Gagné, & Julie Courcy <u>Cooperation between the university and the ombudsperson for children in the education of teacher's faculty students for the protection of children's rights (OP_270)</u> Ana Babić, & Helenca Pirnat Dragičević <u>Capturing unique teaching experiences of first-year secondary mathematics teachers transitioning from virtual to in-person instruction (OP_222)</u> Amélie Schinck-Mikel, Katie Paulding, & Elsa Medina <u>Fear, misunderstanding and decoration as key aspects of child participation in schools (OP_419)</u> Ivana Borić, & Andrea Čosić <u>Stimulation of practices with emergent literacy with students in the initial years of literacy (OP_367)</u> Caroline Fernandes Brasil, Luana Baron Scollo, & Simone Aparecida Capellini |
| 11:30 – 13:10 | ORGANIZATIONAL ISSUES Equity, social justice and social change Oral Presentations Parallel Session OPS_24.4 (Room Sousa Pinto) Chair: Valerie Hill-Jackson | <u>Leading transformative change: Experiences of first Women of Color principal leaders in historically 'White' schools (OP_066)</u> Samantha Kriger, & Sinobia Kenny <u>Teachers' roles in realising human rights in challenging contexts (OP_449)</u> Dikeledi Emily Mogorosi, & Annamagriet de Wet <u>The deconstruction of amateurism in American sports (OP_486)</u> Rodney J. Blackman <u>Necro-linguistics: Linguistically constructing expendable, disposable categories of being (OP_345)</u> Sandra Kouritzin, & Satoru Nakagawa <u>Integrating diversity, equity & inclusion in legal education: Teaching where it's unexpected (OP_055)</u> Todd Brower |
| 13:10 – 14:30 | Lunch | |
| 14:30 – 16:30 | TEACHERS AND STUDENTS Teaching and learning relationship Oral Presentations Parallel Session OPS_24.5 (Room Eduardo Viana I) Chair: Ivana Borić | <u>The effect of teacher's implemented strategies on students' text comprehension (OP_059)</u> Krista Uibu, & Triinu Kärbla <u>Teachers as students: duality as perceived by teachers and aspects of self-efficacy in an online environment (OP_075)</u> Michal Nachshon, & Amira Rom <u>Program notes: Educating musicians and audiences in professional music training—the TUT experience (OP_092)</u> Hua Hui Tseng <u>Physical education students' intention of using the spectrum of teaching style in their future work (OP_191)</u> María Espada <u>Exploring the influence of career awareness on the uptake of STEM subjects by rural girl learners (OP_201)</u> Magdeline Stephen, Nomfundo Radebe, Ngonidzashe Mushaikwa, & Emmanuel Mushayikwa |

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| 14:30 – 16:30 | <p>PROJECTS AND TRENDS Distance Education and eLearning</p> <p>Oral Presentations Parallel Session OPS_24.6 (Room Eduardo Viana II)</p> <p>Chair: Peter Mtika</p> | <p><u><i>A systematic literature review: A pragmatic model of online engagement and affordances to support adolescent learners</i> (OP_030)</u> Jia Li</p> <p><u><i>Future teachers' attitudes on e-teaching in native language classes and music classes</i> (OP_214)</u> Tomislav Košta, & Slavica Vrsaljko</p> <p><u><i>Does identifying and addressing academic difficulties early on contribute to enhanced student success and higher retention rates for a distance learning course?</i> (OP_325)</u> Neil Anderson, Aidan McGowan, Janak Adhikari, David Cutting, Leo Galway, & Matthews Collins</p> <p><u><i>A design of online learning materials for development of learner autonomy</i> (OP_372)</u> Ryuichi Matsuba, Yusei Suzuki, Akiko Kai, Shin-Ichiro Kubota, Yuriko Ishida, & Makoto Miyazaki</p> <p><u><i>Working toward an equitable and culturally responsive online exam proctoring environment</i> (OP_550)</u> Daniel Woldeab</p> <p><u><i>A living lab to counteract inequalities in education: First steps experienced by participants</i> (OP_218)</u> Séverine Parent, Eve Pouliot, Sylvie Barma, Ann-Louise Davidson, Patrick Giroux, Michelle Deschênes, & Rachel Berthiaume</p> |
| 14:30 – 16:30 | <p>TEACHERS AND STUDENTS Assessment and measurements in Education</p> <p>Oral Presentations Parallel Session OPS_24.7 (Room Eduardo Viana III)</p> <p>Chair: Nava Shaked</p> | <p><u><i>Assessment from within – understanding the knock-on effect of teachers' practices on classroom speaking assessments</i> (OP_404)</u> Rúben Constantino Correia</p> <p><u><i>Moving high stakes assessments to digital platform in South Africa</i> (OP_183)</u> Naziema Jappie, & Ashley Niekerk</p> <p><u><i>Examining student teachers' opportunities and barriers associated with formative online assessments at a university of technology</i> (OP_286)</u> Paseka Patric Mollo</p> <p><u><i>Development of a new metacognitive self-regulated model of competency</i> (OP320)</u> Margarita Auli Giraldo, & Jean-François Herold</p> <p><u><i>Challenges – towards continuous peer assessment in undergraduate programming classes</i> (OP_365)</u> Manfred Meyer</p> <p><u><i>Quality of online biodiversity summative assessments administered to student teachers at a South African university</i> (OP_422)</u> Kholofelo Makgopa, & Monde Kazeni</p> |
| 14:30 – 16:30 | <p>TEACHING AND LEARNING Early childhood and Primary Education</p> <p>Oral Presentations Parallel Session OPS_24.8 (Room Almada Negreiros I)</p> <p>Chair: Marcus Witt</p> | <p><u><i>Direct and inductive approaches at primary school teaching and learning</i> (OP_366)</u> Karel Starý, & Jana Stará</p> <p><u><i>Personality-sensitive pedagogies: A mixed methods analysis of small group interactions among 9–10-year-olds</i> (OP_427)</u> Marcus Witt, & Ben Knight</p> <p><u><i>Coding for children – a way to fulfill the aims of the OECD learning compass 2030?</i> (OP_361)</u> Olaf Herden</p> <p><u><i>Meaningful teacher child dialogue - responding to emotional needs of children in crisis situations</i> (OP_060)</u> Teresa Lewin, Samar Aldinah, & Barbara Shapir</p> <p><u><i>Teacher's quality of work life in remote area elementary school during the Covid-19 pandemic in Taiwan</i> (OP_043)</u> Chih-Wen Fan</p> <p><u><i>Developing young children's text processing skills by using detective board games and RWCT techniques</i> (OP_495)</u> Barbara Zsiray</p> |

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| 14:30 – 15:15 | WORKSHOP WS_24.9 (Room Almada Negreiros II) | <i>Geoquest TROPOMAG digital adventure path: when science is a game</i> (W_119) Giovanna Lucia Piangiamore, Sabina Maraffi, Francesco Maria Sacerdoti, & TROPOMAG WP3 Team |
| 15:30 – 16:15 | WORKSHOP WS_24.10 (Room Almada Negreiros II) | <i>Artificial intelligence (AI) in higher education: tool or trickery?</i> (W_375) Jeroen Lievens |
| 16:30 – 17:00 | Coffee Break | |
| 17:00 – 19:20 | TEACHERS AND STUDENTS Teachers and Staff training and education Oral Presentations Parallel Session OPS_24.11 (Room Eduardo Viana I) Chair: Kathy Fox | <i>Preservice life sciences teachers' conceptualisation of gender equality in the classrooms</i> (OP_171) Lydia Mavuru <i>Who are you? Profile of early childhood caretakers and educators</i> (OP_157) Aviva Dan, & Eitan Simon <i>University lecturers' experiences with technology integration into teacher education post Covid-19 pandemic</i> (OP_165) Sithulisiwe Bhebhe, Luzaan Schlebusch, & Gawie Schlebusch <i>Student teachers' perception on the use of mother tongue as medium of instruction in foundation phase</i> (OP_155) Pule Phindane <i>Exploring the integration level of information and communication technology (ICT) by Setswana student teachers at a university of technology in South Africa</i> (OP_453) Bridget Kesaobaka Mangwegape, & Paseka Patric Mollo <i>Developing preservice science teachers' pedagogical content knowledge through reflection on lesson planning</i> (OP_172) Lydia Mavuru <i>The role of students' councils in child participation in schools</i> (OP_446) Andrea Čosić, & Ivana Borić |
| 17:00 – 19:20 | PROJECTS AND TRENDS Challenges and transformations in Education Oral Presentations Parallel Session OPS_24.12 (Room Eduardo Viana II) Chair: Irina Tzoneva | <i>Creative spaces to develop digital competence: Challenges in a university course</i> (OP_104) Séverine Parent <i>Good practices in cross-border education. Case study for educational internationalization Avant la Lettre</i> (OP_129) Gina Aurora Necula <i>Higher education digitalization - friend or foe?</i> (OP_211) Pasi Hellsten, & Erika Kallionpää <i>The evolution of teaching evolution</i> (OP_220) María Martínez-Agüero, & Carola Hernández <i>Democratizing education: Pedagogical activism and technological futures</i> (OP_381) Martin Laba <i>Assisting learners with homework: Parental attitudes and culture, South African context</i> (OP_319) Sephiri David Hlohlolo <i>The socio-musical brain: Study of a music education experience</i> (OP_254) José Lino Oliveira Bueno, & Alexandre Moisés |
| 17:00 – 17:45 | WORKSHOP WS_24.13 (Room Eduardo Viana III) | <i>Critical reflexivity as a tool for addressing inequities in education and beyond</i> (W_357) Eden Rivera, Langan Courtney, & Heidi Bloom |

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| 17:00 – 19:20 | TEACHING AND LEARNING Oral Presentations Parallel Session OPS_24.14 (Room Almada Negreiros I) Chair: Jo Badenhorst | <u><i>Doubt in religious fundamentalism: Education between authority and rational autonomy</i> (OP_091)</u> Rahel Kellich <u><i>Maximizing the efficiency of presence-distance education microcomputers systems</i> (OP_281)</u> Robert Plšičik, Peter Klčo, & Michal Praženica <u><i>Standard of final year student teachers' main summative assessment papers at a university of technology</i> (OP_260)</u> Mokete Letuka <u><i>Monitoring oral reading fluency in elementary school I</i> (OP_356)</u> Maíra Anelli Martins, Noemi Del Bianco, Ilária D'Angelo, Catia Giaconi, & Simone Aparecida Capellini <u><i>Trends in learning group performance in problem-solving simulations</i> (OP_330)</u> Alexander Pojarliev <u><i>Research on foreign languages teaching in Mexico: A decade of work</i> (OP_203)</u> José Luis Ramírez-Romero, & Fabiola Gómez-Baldenegro <u><i>Exploring teachers' conceptions of postpandemic pedagogies in the ESL classroom</i> (OP_174)</u> Christine Savvidou, & Katarzyna Alexander |
| 17:00 – 19:20 | PROJECTS AND TRENDS Global and sustainable developments for Education Oral Presentations Parallel Session OPS_24.15 (Room Almada Negreiros II) Chair: Seyyed Kazem Banihashem | <u><i>Education for sustainable development. Perspectives on inequalities through a digital serious game in higher education for student teachers</i> (OP_352)</u> Stephanie Spanu, Lena Tacke, & Vanessa Henke <u><i>Collaborative online international learning: A case study</i> (OP_102)</u> Ann Gow <u><i>The impact of polychronicity on student performance in digital test situations</i> (OP_142)</u> Stephan Schmucker, & Sönke Häseler <u><i>Critical thinking to embed sustainability in engineering courses activities. A systematic literature review</i> (OP_235)</u> Zalóa Aginako, & Teresa Guraya <u><i>The 2030 Agenda in higher education: Evidence from a university project</i> (OP_243)</u> Inés López López, Longinos Marín Rives, Pedro Jesús Cuestas Díaz, & Marcos Bote Díaz <u><i>Collaborative learning and practical experiences in engineering studies: Working on sustainable development goals</i> (OP_355)</u> María González Alriols, Eneritz Onaindia, José David Nuñez, Isaac Barrio, & Mirari Antxustegi <u><i>Advocating for paediatric palliative care needs through the development of social networking skills in South African higher education</i> (OP_553)</u> Rika Swanzen |
| 17:50 – 19:00 | Poster Presentations Parallel Session PS_24.16 (Room Eduardo Viana III) Chair: Omid Noroozi | <u><i>Educational reforms adopted by Moldova as EU candidate and the transformations undergone by higher education institutions</i> (P_135)</u> Gheorghe Braniste <u><i>Integrating visual arts into STEM education in Hong Kong</i> (P_451)</u> Wong So Lan <u><i>Industry – university cooperation – a prerequisite for developing competencies 4.0</i> (P_208)</u> Valentina Haralanova, Göran Fafner, & Samir Khoshaba <u><i>The development of formal thinking</i> (P_307)</u> Ghada Wattad, & David Chen <u><i>Elementary and secondary school geosciences hands on learning at Ria Formosa (South Portugal)</i> (P_470)</u> Teresa Drago, Ana Ramos, Jacqueline Santos, João Afonso, & Ana Alberto |

[*Social growth for children and older adults through intergenerational activity* \(P_048\)](#)

Teresa Lewin, Sofia Ben Yair, Barbara Shapir, & Dina Ben Yaish

[*Flipped learning – innovative, pedagogic approach in education of mechanical engineering students* \(P_207\)](#)

Valentina Haralanova, & Göran Fafner

[*Mobile technologies – a key element in contemporary approaches to learning* \(P_353\)](#)

Elisaveta Tsvetkova, Irena Peteva, & Stoyan Denchev

[*Developing and evaluating a dialogue-based mathematical intelligent team tutoring system for learning number patterns* \(P_480\)](#)

Shu Chuan Shih, Lingyi Wang, & Yi Lun Hung

[*Intercultural competence in 21st century museums: Museum educators' perspectives* \(P_327\)](#)

Senem Bas

[*The relation between parents' characteristics/practices and children's early literacy skills during the Covid-19 pandemics* \(P_121\)](#)

Jerusa Fumagalli de Salles, Gabriella Koltermann, & Érica Prates Krás Borges

[*Educational technology in problem-based learning* \(P_083\)](#)

Petra Pejić Papak, Jasminka Mezak, & Lidija Vujičić

[*Contribution of information design for the autonomy of the population in a health context* \(P_548\)](#)

Mónica Santos, & Suzana Dias

[*Implementing collaborative and differentiated instruction in middle school* \(P_113\)](#)

France Dubé, Maryse Gareau, & Sophie Lanoix

[*Leadership in the educational environment and its consequences on psychological health* \(P_018\)](#)

Carole Sénéchal, Luc Brunet, Denis Morin, Jean-Sébastien Boudrias, & Serge Larivée

[*Education and economic growth: a key relationship for Ukraine in the post-conflict period* \(P_093\)](#)

Ana Lúcia Luís, Natália Teixeira, Tetiana Kornieieva, & Rui Braz

Sunday, June 25

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|---------------|---|---|
| 08:20 – 15:30 | Welcome Desk – Information and registration (Room Eduardo Viana IV) | |
| 9:00 – 11:00 | <p>PROJECTS AND TRENDS</p> <p>Oral Presentations Parallel Session OPS_25.1 (Room Eduardo Viana I)</p> <p>Chair: Sumita Chakraborti-Ghosh</p> | <p><u>Assessment of the different subject areas in an interdisciplinary project (OP_053)</u> Borislava Kirilova</p> <p><u>Exploring alternative pedagogical spaces to support 21st century skills development (OP_197)</u> Judit Langer-Buchwald, & Zsolt Langer</p> <p><u>What difference does a social practice approach to adult literacies education make to adult learners in Western Rwanda? (OP_525)</u> Peter David Mtika, Pamela Abbott, & Ismael K. Byaruhanga</p> <p><u>A student's journey in higher education: Positioning and repositioning within a new space (OP_284)</u> Emma Groenewald</p> <p><u>Painting and musical composition: Structural correlation of two languages (OP_435)</u> Stjepko Rupčić</p> <p><u>Recognising South African sign language: Implications for South African local municipalities (OP_374)</u> Sephiri David Hlohlolo</p> |
| 9:00 – 11:00 | <p>PROJECTS AND TRENDS Challenges and transformations in Education</p> <p>Oral Presentations Parallel Session OPS_25.2 (Room Eduardo Viana II)</p> <p>Chair: Pradeep (max) Dass</p> | <p><u>Data science and changing economic landscape as driving factors in higher education (OP_526)</u> Les Sztandera</p> <p><u>Leadership and management in integrated Muslim schools: A complex environment (OP_029)</u> Aliesa H Hashim, Leentjie van Jaarsveld, & Branwen Challens</p> <p><u>Effects of increased distance learning on expectations of using flexible teaching methods in higher education (OP_230)</u> Erika Kallionpää, & Pasi Hellsten</p> <p><u>Inclusive projects in science and technology to secondary and higher education (OP_296)</u> Javier Pereira, Paula M. Castro, Adriana Dapena, & Manuel G. Penedo</p> <p><u>Early intervention for improving student performance by detecting non-engagement (OP_359)</u> Esha Barlasakar, David Cutting, Andrew McDowell, Neil Anderson, Baharak Ahmaderaghi, & Matthew Collins</p> <p><u>Education in times of need (OP_392)</u> Gabiella Velics</p> |
| 9:00 – 11:00 | <p>Poster Presentations</p> <p>Parallel Session PS_25.3 (Room Eduardo Viana III)</p> <p>Chair: Mafalda Carmo</p> | <p><u>Teaching components during traditional and distance learning – comparison of teacher's and student's perspective. Questionnaire survey (P_036)</u> Jakub Młodawski, Anna Swiercz, Marta Młodawska, Grzegorz Swiercz, & Barbara Gawdzik</p> <p><u>How teachers' values and epistemic beliefs guide their use of educational research for practice (P_581)</u> Elana Joram, & Anthony J. Gabriele</p> <p><u>Harnessing the power of CHATGPT: Chrome extensions to simplify teacher tasks (P_563)</u> Eun-Ok Baek, Jemma Kim, & YoungSuk Hwang</p> <p><u>The schoolification of computer gaming – identifying the role of eSport in school Syllabi (P_255)</u> Björn Sjöden, & Kalle Jonasson</p> <p><u>Exploration of the teaching method of the course "circuit analysis and analog circuits" (P_612)</u> Hua Fan, Tianchi Yang, Jianming Liu, Zonglin Li, Xinkai Guo, & Yan Sun</p> <p><u>Embedding trauma-informed care practices into special education personnel preparation programs (P_383)</u> Catherine Corr</p> |

[Teachers' stress as a moderator of the impact of POMPedasens on preschool children's social-emotional learning \(P_462\)](#)

Maryam Zarra-Nezhad, Ali Moazami-Goodarzi, Joonas Muotka, & Nina Sajaniemi

[Online vs onsite: Less satisfaction, but similar effectiveness and academic integrity \(P_023\)](#)

Łukasz Tanaś

[Remote learning during the Covid-19 pandemic in the opinion of academic teachers. Survey research \(P_035\)](#)

Marta Młodawska, Anna Swiercz, Jakub Młodawski, Grzegorz Swiercz, & Barbara Gawdzik

[Interactive teaching of physics by video analysis methods \(P_098\)](#)

Peter Hockicko

[Pupils with hearing impairment and their position in the inclusive school \(P_106\)](#)

Wanda Tureckiová

[Analysis of university students' needs for inclusive education \(P_245\)](#)

Mariana Sirotová, & Veronika Michvocíková

[What is important for me? Analysis of university students' answers as tool of well-being research \(P_247\)](#)

Veronika Michvocíková, & Mariana Sirotová

[Educational projects as adequate resource for considering oral and written expression skills \(P_184\)](#)

Georgiana Ciobotaru

[Analysis, modeling and control of power electronic systems and their simulation as an educational support \(P_096\)](#)

Juraj Šimko, Michal Praženica, & Roman Koňarik

[Entrepreneurship competencies in high school students: Effects of age and gender \(P_037\)](#)

Eric Yergeau, & Marcelle Gingras

[Courses in academic teaching - an example from Slovakia \(P_338\)](#)

Tímea Šeben Zatková

[Design of power electronic system with variable topology of the main circuit for educational support of laboratory exercises of power semiconductor converters \(P_051\)](#)

Michal Frivaldsky

[Integrating STEM in compulsory secondary education: A look at high schools in the Valencian region \(Spain\) \(P_575\)](#)

Enrique García Tort

[Blended intensive programmes: Promoting internationalization in higher education \(P_028\)](#)

Sonja Gögele, & Petra Kletzenbauer

[Education and training as competitiveness enhancers: The Portuguese case \(P_077\)](#)

Natália Teixeira, Ana Lúcia Luís, Rui Braz, & Tatiana Kornieieva

[Planting seeds and bearing fruit: Swedish and Japanese educator participation in a symposium of pedagogy discussions regarding SDG-inspired curriculum \(P_440\)](#)

Michelle Henault Morrone, Yumi Matsuyama, Erik Andersson, Inger Björklund, Gunilla Essen, & Evelina Samuelsson

[Benefits and challenges in using AI-powered educational tools \(OP_552\)](#)

Irina Tzoneva

[Motivation of second- and sixth-grade students regarding individual and collaborative writing \(P_202\)](#)

Joane Deneault, Jessy Marin, & Natalie Lavoie

[Revolutionizing MSI to R1 graduate pathways through distributed teaching \(P_604\)](#)

Dwayne C. Joseph

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|---------------|---|---|
| 8:40 – 11:00 | <p>TEACHERS AND STUDENTS Educational quality and standards</p> <p>Oral Presentations Parallel Session OPS_25.4 (Room Almada Negreiros I)</p> <p>Chair: Lydia Mavuru</p> | <p><u>Pedagogical model for social transformation with a common good perspective (OP_343)</u> Mariano Sánchez Cuevas</p> <p><u>Arithmetic and algebraic knowledge in student learning of concepts (OP_049)</u> Natalia Karlsson, & Wiggo Kilborn</p> <p><u>Bullying as driver of low mathematics achievement: South African no-fee-paying schools in a challenged context (OP_085)</u> Marien Alet Graham</p> <p><u>Synergy between the lesson plan and lesson presentation: Practice what you plan! (OP_287)</u> Mokete Letuka, & Paseka Mollo</p> <p><u>TLM (three layers methodology) model facing multidisciplinary education (OP_561)</u> Limor Sahar-Inbar, & Nava Shaked</p> <p><u>Pre-service teachers' knowledge of mathematics: A framework for sustainable development of student knowledge (OP_395)</u> Natalia Karlsson, & Wiggo Kilborn</p> <p><u>A meta-analysis: The association between relational parental involvement and student and parent outcome variables (OP_179)</u> William Jeynes</p> |
| 9:10 – 10:10 | <p>PROJECTS AND TRENDS Inclusive and Special Education</p> <p>Oral Presentations Parallel Session OPS_25.5 (Room Almada Negreiros II)</p> <p>Chair: Rika Swanzen</p> | <p><u>Exploring inclusive culture and practice: the perspectives of Macao teachers in informing inclusive teacher education programmes in higher education (OP_265)</u> Elisa Monteiro, & Kiiko Ikegami</p> <p><u>Acceptance of children with special needs – the key to universal elementary education (OP_267)</u> Pradipta Kanungo, & Shankar K. Nath</p> <p><u>A case study of psychoeducational intervention for language learning (OP_331)</u> Fabio Corsi, & Ivan Traina</p> |
| 10:15 – 11:00 | <p>WORKSHOP WS_25.6 (Room Almada Negreiros II)</p> | <p><u>Teaching and serving students of hidden and apparent diversity: Third culture kids and cross culture kids (W_418)</u> Patricia A. Stokke</p> |
| 11:00 – 11:30 | Coffee Break | |
| 11:30 – 13:10 | <p>TEACHERS AND STUDENTS Curriculum and Pedagogy // Vocational education and Counseling</p> <p>Oral Presentations Parallel Session OPS_25.7 (Room Eduardo Viana I)</p> <p>Chair: Noam Topelberg</p> | <p><u>Bridging the gap: From classroom to clinic (OP_161)</u> Dinah Paritzky, Rachel Eichler, & Ravid Rodan-Doron</p> <p><u>What influence did a design thinking, creative problem-solving workshop have on beginner student teachers? (OP_494)</u> Karen McGivern</p> <p><u>Lived experiences and concerns of individualized degree students: Implications for policy, curriculum, and pedagogy (OP_549)</u> Daniel Woldeab</p> <p><u>Inequalities faced by indigenous peoples in vocational education and training (OP_022)</u> Jo Anni Joncas, & Kara Edward</p> <p><u>Innovative work-based learning and employability skills training for learners with special needs (OP_416)</u> Dalun Zhang</p> |

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| 11:30 – 13:10 | TEACHING AND LEARNING Early childhood and Primary Education Oral Presentations Parallel Session OPS_25.8 (Room Eduardo Viana II) Chair: Eric Yergeau | <u><i>A multidisciplinary training program for smart cities technicians and engineers</i> (OP_181)</u> Vasileios Gkamas, & Maria Rigou <u><i>Playworlds: Imaginative adult-child joint play in early learning classrooms</i> (OP_463)</u> Anna Pauliina Rainio <u><i>Inspiration for preschool teachers: Content analysis of Czech Facebook group</i> (OP_471)</u> Marie Dědičová <u><i>Using an interactive web-based tool to connect families, practitioners, and policymakers</i> (OP_503)</u> Dawn Thomas, Catherine Corr, & Keith Hollenkamp <u><i>Gauging anxiety and resilience in the mathematics classroom: Voices of grade 7 teachers and learners from South Africa</i> (OP_266)</u> Jo Badenhorst, & Dimakatso Rammile |
| 11:30 – 13:10 | TEACHING AND LEARNING Secondary Education; Higher Education Oral Presentations Parallel Session OPS_25.9 (Room Eduardo Viana III) Chair: Raphaela Tkotzyk | <u><i>Non-judgemental attention with intention: Mindfulness in the curriculum at home and abroad</i> (OP_268)</u> Ana Fonseca Conboy, & Kevin Clancy <u><i>Virtual reality in pre-service teacher education: Challenges of realization in music education</i> (OP_458)</u> Ari Poutiainen, & Heidi Krzywacki <u><i>A study regarding learning and innovation skills (4CS) in a Portuguese higher education institution</i> (OP_300)</u> Isabel Ribau <u><i>Students' behavior on a "mathematical literacy" problem</i> (OP_408)</u> Eleni Nolka, & Chryssa Sofianopoulou <u><i>Co-creating an organization-wide pedagogical program in higher education</i> (OP_560)</u> Katri Ojasalo, & Pauliina Nurkka |
| 11:30 – 13:10 | ORGANIZATIONAL ISSUES Educational policy and leadership Oral Presentations Parallel Session OPS_25.10 (Room Almada Negreiros I) Chair: Esha Barlaskar | <u><i>The relationship between entrepreneurial leadership and teacher job satisfaction: The mediation effect of intraorganizational factors</i> (OP_557)</u> Devorah Eden, & Ido Liberan <u><i>A conductive alloy: A 'whole institution' approach to student (mis)conduct</i> (OP_081)</u> Marc Alexander, Jane Broad, Jenny Hutcheson, & Andrew Struan <u><i>The federal institutes of education, science and technology and the constitution of a new professionalism of teaching in Brazil</i> (OP_252)</u> Belmira Oliveira Bueno, Mirna Ribeiro Lima da Silva, & Andressa Trevisan Missaki <u><i>Challenges of international students' participation in the life of southern and Western European universities</i> (OP_058)</u> Laura Alzmetter, & Zoltán Rónay <u><i>School leaders of high-need districts and their perspectives of a university-based teacher residency program</i> (OP_313)</u> Valerie Hill-Jackson |
| 11:30 – 12:15 | WORKSHOP WS_25.11 (Room Almada Negreiros II) | <u><i>Self-care as a key competency for future social work professionals</i> (W_061)</u> Yvonne Knospe, & Angelika Weirauch |
| 12:20 – 13:05 | WORKSHOP WS_25.12 (Room Almada Negreiros II) | <u><i>The application of critical thinking in literature education</i> (W_070)</u> Gepco de Jong |
| 13:10 – 14:30 | Lunch | |

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| 14:30 – 15:30 | TEACHERS AND STUDENTS Training programmes and professional guidance // Teachers and Staff training and education Oral Presentations Parallel Session OPS_25.13 (Room Eduardo Viana I) Chair: Patricia Stokke | <u>“The visual code”: Educating in an age of visual culture (OP_291)</u> Noam Topelberg, & Jonathan Ventura <u>The practices of how pre-service ELT teachers integrate digital technologies in materials development online course (OP_341)</u> Aylin SevimeI-Sahin <u>An analysis of the use of simulation centers in the training of pre-service and novice English teachers in Israel. What makes them work well? (OP_152)</u> Nicole Broder |
| 14:30 – 15:30 | PROJECTS AND TRENDS Pedagogic innovations Oral Presentations Parallel Session OPS_25.14 (Room Eduardo Viana II) Chair: Les Sztandera | <u>Motivation, learning and emotions: Engaging students with science flipped classroom (OP_302)</u> Isabel Ribau <u>An educational escape room for computational thinking - defining the requirements (OP_406)</u> Peter Mozelius, Lisa Sällvin, & Niklas Humble <u>Partnerships between higher education and industry: Experiential learning to build a diverse STEM workforce (OP_531)</u> Catherine Amelink |
| 14:30 – 15:30 | TEACHING AND LEARNING Literacy, languages and Linguistics (TESL/TEFL) Oral Presentations Parallel Session OPS_25.15 (Room Eduardo Viana III) Chair: Dawn Thomas | <u>Online discussion forum tasks in ESP courses: space for development of intralinguistic mediation skills (OP_193)</u> Pavel Brebera, & Zuzana Bezdicikova <u>Sentence comprehension in children with developmental language disorders (OP_547)</u> Barbora Červenková, & Gabriela Solná <u>Developing an effective mobile app for improving English speaking skills (OP_562)</u> Eun-Ok Baek, Qi Eyda Guo, Tong Feng, & Lu Jia |
| 14:30 – 15:30 | PROJECTS AND TRENDS Rural and indigenous Education Oral Presentations Parallel Session OPS_25.16 (Room Almada Negreiros I) Chair: Spencer Clark | <u>Enhancing STEM education in indigenous serving schools using culturally responsive pedagogy (OP_114)</u> Pradeep Dass, Angelina Castagno, Darold Joseph, Chesleigh Keene, & Crystal Macias <u>Rethinking rural educational contexts as sites for teacher education to innovate teaching and learning (OP_370)</u> Spencer Clark, Eileen Wertzberger, & Nooshin Darvishinia <u>Youth cyberbullying – understanding contextual paths to prevention and resilience (OP_592)</u> Helen Liu |
| 14:30 – 15:30 | TEACHING AND LEARNING Secondary Education; Higher Education Oral Presentations Parallel Session OPS_25.17 (Room Almada Negreiros II) Chair: Jelena Blaskovic Galekovic | <u>How academics perceived their participation in applied projects in mainland China (OP_045)</u> Manhong Lai <u>Early identification of academic failure on higher education: Predicting students' performance using AI (OP_160)</u> Fidel Cacheda, Manuel F. López-Vizcaíno, Diego Fernández, & Víctor Carneiro <u>Types of formative feedback that technology teachers give to learners during problem structuring (OP_465)</u> Willem Rauscher, & Nelé Loubser |
| 15:45 | Social Event (Tour and Dinner) | |

Monday, June 26

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| 08:20 – 13:20 | Welcome Desk – Information and registration (Room Eduardo Viana IV) | |
| 9:00 – 11:00 | TEACHERS AND STUDENTS Teachers and Staff training and education Oral Presentations Parallel Session OPS_26.1 (Room Eduardo Viana I) Chair: Natalia Karlsson | <u><i>Examining the mental health status of Hungarian teachers</i> (OP_108)</u> Mónika Veronika Szigeti <u><i>Tutored praxis-shock: Teacher candidates' opinion on the mental effects of school mentoring</i> (OP_111)</u> Magdolna Chrappán, & Rita Bencze <u><i>Mentoring in teacher training practice: The interpretation of mentors' role in the triadic relationship</i> (OP_112)</u> Rita Bencze, & Magdolna Chrappán <u><i>Learning to teach: An evaluation of the preparation of doctoral students to lead their own teaching</i> (OP_264)</u> Karel Němejč <u><i>The effects of the middle layer on Chinese college teachers' competence model: A meta-analysis</i> (OP_583)</u> Lei You, Pei-Hua Tsai, & Lung-Hsing Kuo <u><i>Teacher training on fundamental programming for mathematics and technology – what are the course takeaways?</i> (OP_407)</u> Peter Mozelius |
| 9:00 – 11:00 | PROJECTS AND TRENDS Pedagogic innovations Oral Presentations Parallel Session OPS_26.2 (Room Eduardo Viana II) Chair: David Maree | <u><i>The development of a method for teaching extended cello techniques using free improvisation</i> (OP_599)</u> Luisa Russi Guzmán <u><i>Innovative writing practices as learning opportunities in a vulnerable school context. A social design inquiry title</i> (OP_411)</u> Paolo Sorzio, & Caterina Bembich <u><i>Success stories of Strengths Based Instructional (SBI) approach for children with exceptional needs</i> (OP_385)</u> Sumita Chakraborti-Ghosh <u><i>Wondering and grading in higher education – a tension ratio?</i> (OP_046)</u> Marilen Schöner <u><i>Identity-based activities carried out through engraving and stamping exercises. Art mediation workshops based on local engravers' works and aimed for students from the city of Tomé in Chile</i> (OP_439)</u> Jessica Castillo Inostroza |
| 8:40 – 11:00 | TEACHING AND LEARNING Early childhood and Primary Education Oral Presentations Parallel Session OPS_26.3 (Room Eduardo Viana III) Chair: Pavel Brebera | <u><i>Arts education in combined primary classes in the Republic of Croatia</i> (OP_209)</u> Jelena Blašković Glaleković, Svetlana Novaković, & Zlata Tomljenović <u><i>How to be political? Exploring early childhood understanding of politics ecologically and philosophically</i> (OP_088)</u> Gudrun Marci-Boehncke, Matthias Rath, & Madeleine Rusch <u><i>Use of technology in supporting ECD centres' pedagogy and management functions to provide quality education</i> (OP_399)</u> Adebunmi Yetunde Aina <u><i>Exploring early childhood understanding of politics and the impact of (digital) media education</i> (OP_089)</u> Raphaela Tkotzyk, Johanna Lategahn, & Gudrun Marci-Boehncke <u><i>Designing with multiple tools - supporting young children agency in early childhood education</i> (OP_241)</u> Calkin Suero Montero, Kaisa Pihlainen, Niina Leppänen, Sanna Ikonen, & Eija Kärnä <u><i>Demographic characteristics of teachers' perceptions towards the use of technology in early childhood education</i> (OP_145)</u> Baliqis Oladele Adeyinka, Adebunmi Yetunde Aina, & Ayodele Abosede Ogebo <u><i>Practicing social-emotional and cognitive teaching strategies and STEAM activities in early childhood education</i> (OP_329)</u> Ona Monkevičienė, Birutė Vitytė, & Birutė Autukevičienė |

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| 9:00 – 11:00 | <p>PROJECTS AND TRENDS Technology in teaching and learning</p> <p>Oral Presentations Parallel Session OPS_26.4 (Room Almada Negreiros I)</p> <p>Chair: Sephiri Hlohlolo</p> | <p><u><i>Towards future education: How do teachers and students perceive blended education?</i> (OP_306)</u> Seyyed Kazem Banihashem, Perry den Brok, Omid Noroozi, & Harm Biemans</p> <p><u><i>Digital technologies, mental health challenges and academic language development of indigenous youth: A retrospective</i> (OP_031)</u> Jia Li</p> <p><u><i>Predicting student performance from MOODLE logs in higher education: A course-agnostic approach</i> (OP_192)</u> Ricardo Santos, & Roberto Henriques</p> <p><u><i>Pedagogical & technological knowledge and use of digital technologies by faculty before and during pandemic times</i> (OP_204)</u> Martín Omar Moreno Ruíz, José Luis Ramírez-Romero, & José Ángel Vera Noriega</p> <p><u><i>Radio navigation aids learning, from virtual to real with the Kolb's experiential learning cycle</i> (OP_570)</u> Carlos Rubio, Deibi López, Adrián Delgado, Adrián García, Diego Domínguez, & Jesús Gonzalo</p> <p><u><i>The experiences of foreign language teacher candidates during the emergency remote teaching</i> (OP_342)</u> Hamdullah Sahin</p> |
| 11:00 – 11:30 | Coffee Break | |
| 11:30-13:10 | <p>TEACHERS AND STUDENTS</p> <p>Oral Presentations Parallel Session OPS_26.5 (Room Eduardo Viana I)</p> <p>Chair: Bridget Mangwegape</p> | <p><u><i>Teaching in higher education with eye-tracking: An international and interdisciplinary research</i> (OP_200)</u> Filomena Faiella, Giuseppina Albano, Paola Attolino, Maria Chiara Castaldi, Marco Giordano, Maria Grazia Lombardi, Emiliana Mannese, Valentina Mascolo, Maria Ricciardi, & Giulia Savarese</p> <p><u><i>The praxis of mentoring from a social learning perspective: The case of practising trainee teachers at a teacher training college in Midlands</i> (OP_323)</u> Richard Nyika, Motalenyane Alfred Modise, & Konyana Shoorai</p> <p><u><i>Navigating fear: African American doctoral students in the academy</i> (OP_607)</u> Deniece Dortch</p> <p><u><i>The decision tree analysis model on a remote popular science learning system for in-services education of teachers</i> (OP_582)</u> Lung-Hsing Kuo, Pei-Hua Tsai, Tzuchau Yeh, Chenyu Chiang, & Kuo-Ming Tu</p> <p><u><i>Lessons learned from teaching during the Covid-19 pandemic: Operationalizing the what if's</i> (OP_292)</u> Kathy R. Fox, Tracy Y. Hargrove, & Kathleen Roney</p> |
| 11:30-13:10 | <p>PROJECTS AND TRENDS Educational projects</p> <p>Oral Presentations Parallel Session OPS_26.6 (Room Eduardo Viana II)</p> <p>Chair: Giuseppe Trombino</p> | <p><u><i>A comparison of goal achievement of students in a social research methods class during Covid</i> (OP_564)</u> David Maree, & Marinda Maree</p> <p><u><i>Teachers' perceptions on international online teamwork and how it can be improved</i> (OP_246)</u> Tanja Vesala-Varttala, & Margarida Morgado</p> <p><u><i>EDUCOAST – nature-based education in coastal geosciences: A field station in southern Portugal</i> (OP_468)</u> Teresa Drago, Tanya Silveira, Rui Taborda, João Cascalho, M.Conceição Freitas, Francisco Fatela, Ana Ramos, Jacqueline Santos, Ana Isabel Rodrigues, João Afonso, Sebastião Teixeira, Marcos Rosa, Pedro Brito, Mafalda Carapuço, Ana Alberto, Marta Nogueira, Emanuel Surducun, & Paulo Oliveira</p> <p><u><i>Critical computational pedagogy: An approach to expanding biopolitical literacies for the digital subject</i> (OP_484)</u> Michael Lithgow</p> <p><u><i>Game-based learning in higher education: A comparative study in tourism degrees</i> (OP_532)</u> Sónia Pais, Laura Chagas, & Ana Pires</p> |

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| 11:30-13:10 | TEACHING AND LEARNING Science and technology Education Oral Presentations Parallel Session OPS_26.7 (Room Eduardo Viana III) Chair: Ana Conboy | <u>Analysis of theoretical and methodological aspects in research works with scientific dissemination (OP_257)</u> Letícia Kurihara, & Gildo Giroto Junior <u>Immersive virtual reality and artificial intelligence for enhancing student preparedness for clinical exams (OP_492)</u> Brendan Concannon, & Shaniff Esmail <u>Teaching the periodic table as the evolution of matter from energy to life, using poetry (OP_475)</u> Philip Mirkin <u>Education model for future (OP_479)</u> Marcin Fojcik, & Martyna K. Fojcik <u>Adapting architectural design education for the AI era: Preliminary findings and future directions (OP_567)</u> Chih-Wen Lan |
| 11:30 – 13:10 | ORGANIZATIONAL ISSUES Equity, social justice and social change // International Education and Exchange programmes Oral Presentations Parallel Session OPS_26.8 (Room Almada Negreiros I) Chair: Devorah Eden | <u>Institutional measures to prevent and fight against sexual violence in universities - the case of Quebec, Canada (OP_500)</u> Manon Bergeron, Emilie Vert, Isabelle Auclair, Karine Baril, Rachel Chagnon, Simon Lapierre, Alexa Martin-Storey, Marie-Andrée Pelland, Sandrine Ricci, & Lise Savoie <u>Women working at universities in South Africa – a gender equality perspective (OP_448)</u> Refiloe Mohloakana, & Annamagriet de Wet <u>The social assistance office at the University of Murcia (OP_240)</u> Clara Alvarez de Toledo, Sonia Miñano, Inés López, Longinos Marín, & Marcos Bote <u>Barriers to reporting sexual violence in higher education: Power dynamics and anticipated costs (OP_498)</u> Manon Bergeron, Catherine Meek-Bouchard, Ihssane Fethi, Karine Baril, Isabelle Daigneault, Jacinthe Dion, Martine Hébert, Alexa Martin-Storey, Geneviève Paquette, Marie-Andrée Pelland, Sandrine Ricci, & Lise Savoie <u>Immigrant teachers in South Africa: Professional needs and advice to their compatriots (OP_042)</u> Johannes J.R. de Villiers, & Zenzela L. Weda |
| 13:10 | CLOSING SESSION (Room Eduardo Viana III) | |

In parallel with the in-person sessions, all participants can follow the virtual presentations available below.

| Virtual Presentations | |
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| <p>All Areas</p> <p>Virtual Presentations</p> | <p><i>Representations of consumption at the chocolate factory. A creative writing teaching proposal on positive consumerism</i> (VP_017) Christina Kalaitzi</p> <p><i>Learning styles, technostress & blended learning – implications for the educational model of the future</i> (VP_033) Iris Stocker, Teresa Spieß, & Christian Ploder</p> <p><i>Innovative student-centred strategies in higher education: An experience of active foreign language learning</i> (VP_040) Véronique Delplanq, Ana Maria Costa Lopes, José Pereira, & Susana Fidalgo</p> <p><i>The effect of integrating qa`s into the curriculum on the design of a new 3-year mechanical engineering degree at DUT</i> (VP_050) Mark Walker, Bruce Graham, & Shoreek Sheoratan</p> <p><i>Pre-service science teachers' emotional profile designing IBSE activities: The gender perspective</i> (VP_062) Cristina García-Ruiz, Jorge Luque-Jiménez, Teresa Lupión-Cobos, & Ángel Blanco-López</p> <p><i>English in Algerian primary schools: Prospects and realities</i> (VP_064) Radia Guerza, & Mohammed-Salah Nedjai</p> <p><i>Experiences of teachers in the enactment of simulations in 5E inquiry-based science teaching</i> (VP_069) Gloria Makamu, & Umesh Ramnarain</p> <p><i>Assessment of the sub-competences of entrepreneurial competence in the basic school</i> (VP_072) Küllü Hiiemäe-Metsar, Krista Uibu, & Mervi Raudsaa</p> <p><i>Life sciences teachers' planning of lessons for formative assessment in inquiry-based teaching</i> (VP_073) Thandiwe Dlamini, & Umesh Ramnarain</p> <p><i>Digital creativity abilities for designing sustainable and fair futures. Reflecting on the results from the DM Learning Lab Madeira</i> (VP_087) Valentina Vezzani</p> <p><i>Comparison of the learning process of high school students before, during and after the pandemic</i> (VP_090) Florentina Alina Grigorescu (Pîrvu)</p> <p><i>Game for didactic innovation. Classcraft in Italian secondary school</i> (VP_094) Andrea Brambilla, Francesca Antonacci, & Stephen E. Moore</p> <p><i>Analysis of the initial acceptance of the bee-bot robot in students with autism spectrum disorder</i> (VP_095) Elena Pérez Vázquez, Gonzalo Lorenzo Lledó, Asunción Lledó Carreres, Alejandro Lorenzo Lledó, & Alba Gilabert Cerdá</p> <p><i>The role of peace education in post-conflict zones of Cyprus' foreign language education policy</i> (VP_097) Merve Uysal, & Çağda Kivanç Çağanağa</p> <p><i>E-Kine: Education for online rehabilitation skills</i> (VP_105) Nurgül Arıncı İncel, Orhan Güvener, Figen Dağ, Yanislav Zhelev, & Taina Avramescu</p> <p><i>Augmented reality promotes social responses in autism spectrum disorder subjects</i> (VP_107) Alba Gilabert-Cerdá, Gonzalo Lorenzo Lledó, Alejandro Lorenzo-Lledó, Asunción Lledó Carreres, & Elena Pérez-Vázquez</p> <p><i>What if students had learning bricks to "build" music and theater performances?</i> (VP_109) Annamaria Savona</p> <p><i>The Melarete Project: Theory and practice of a kindergarten and primary school program for ethical education</i> (OP_110) Luigina Mortari, Federica Valbusa, & Marco Ubbiali</p> |

[*Dialoguing on friendship as political virtue: An experience of citizenship education for primary school children* \(OP 115\)](#)

Luigina Mortari, Marco Ubbiali, & Rosi Bombieri

[*Analysis of the examination methods of Gardner's intelligences in the digital environment* \(VP 117\)](#)

Gréta Ábrahám

[*Between expectations and generative uncertainties: An action study in higher secondary school* \(VP 139\)](#)

Aet Raudsep

[*The role of school management in mentoring novice teachers' transition into the teaching profession* \(VP 144\)](#)

Anthony Mpisi, & Westlee Kieser

[*Sustainable fashion design practice in the studio-based classroom* \(VP 148\)](#)

Xiaozhu Lin, & Matteo Oreste Ingaramo

[*A fictitious vehicle manufacturing company at a university as interdisciplinary framework to combine study programs* \(VP_156\)](#)

Tobias Peuschke-Bischof, & Stefan Kubica

[*A proposal for teaching and learning in primary school post-Covid-19* \(VP 182\)](#)

Carlos Alberto Ferreira, & Ana Maria Bastos

[*Online teaching, learning, and assessment: Lessons in affective education and skill development during the pandemic* \(VP 195\)](#)

Tara K. Hammar, & Patrick Griswold

[*Teachers' perceptions and intentions about integrating computational thinking into science instruction* \(VP_196\)](#)

Ayodele Abosedede Ogegbo)

[*"Soil" in basic education in São Paulo, Brazil: Strategies for skill development and construction of geoethical values* \(VP 198\)](#)

Hermom Reis Silva, Rosely Aparecida Liguori Imbernon, & Clara Vasconcelos

[*Storytelling as an interdisciplinary strategy in geoscience education* \(VP 199\)](#)

Isabel Teixeira, Dulce Lima, & Clara Vasconcelos

[*Primary school teachers' perceptions of their self-directed learning skills and use of practices that promote self-regulated learning* \(VP 206\)](#)

Bernadette Geduld, & Lindie Ehlers

[*School engagement of youths exposed to cumulative disasters in a pandemic context* \(P 210\)](#)

Eve Pouliot, Pascal Gauthier, Kristel Tardif-Grenier, Danielle Maltais, Christine Gervais, & Ann-Sophie Simard

[*Could I be more satisfied? The relationship between online learning activities, satisfaction, and agreeableness personality type* \(VP 217\)](#)

Orit Baruth, & Anat Cohen

[*Considering teachers' identity, well-being, and professional development in Croatian cultural context* \(VP 227\)](#)

Sanja Tatalović Vorkapić, Dunja Anđić, Renata Čepić, Sanja Skočić Mihić, & Aleksandra Smolić Batelić

[*Transitional objects in early childhood: What parents' think about their importance?* \(VP 233\)](#)

Sanja Tatalović Vorkapić

[*Creative thinking of children with ADHD and their performance in language and mathematics* \(VP 239\)](#)

Kalliopi Trouli, & Antonia Gousiou

[*Factors influencing the comprehension of non-literary texts by Czech pupils of secondary technical schools* \(VP 250\)](#)

Dana Vicherková, & Nela Nováková

[*Reviewing the literature on the interplay of creativity and critical thinking in education* \(VP 256\)](#)

Maria Gkouzioni, Eirini Kleidara, Zafiria-Sabrina Shehu, Panagiota Koulouri, & Lefkothea-Vasiliki Andreou

[***"That's just something I was playing with." Math talk and avoidance in an art museum***](#) (VP_259)

Nuria Jaumot-Pascual

[***A systematic literature review on multicultural mentoring research for students with migrant backgrounds***](#) (VP_262)

Kim EunHui, & Kim YoungSoon

[***Written reflection as a "movement" in a quality service-learning process***](#) (VP_273)

Federica Martino

[***Language challenges grade 11 learners encounter in life sciences instructional materials and assessments***](#) (VP_275)

Godfrey Zwane, & Lydia Mavuru

[***Multilingual learners' perceptions of the role of English and scientific language on natural sciences learning***](#) (VP_276)

Nishana Wilson, & Lydia Mavuru

[***Reconstructing teachers' discourse to build inclusive interactions using positive discourse analysis and formative intervention***](#) (P_282)

Paula Garcia, Keila Barreto, & Ginary Acosta

[***Abeplana: As how TI teach with videogames in kindergarten class***](#) (VP_289)

Verónica Marín, Begoña E. Sampedro, Ana B. López, & Esther Veja

[***Divemix: Perceptions of mixed reality in secondary education in Spain***](#) (VP_290)

Verónica Marín, Begoña E. Sampedro, Esther Vega, & Ana B. López

[***Attempts towards alleviation of social injustices within South African universities***](#) (VP_298)

Thasmai Dhurumraj, & Sam Ramaila

Implementation of Matlab guide templates for chemical engineering students to solve complex material and energy balances (VP_304)

Ivan Dominguez-Candela, Salvador Cayetano Cardona, Maria Fernanda López-Pérez, Jaime Lora, & Vicent Fombuena

[***Emotions linked to certainty-based self-assessment: A multidiscipline experience***](#) (VP_305)

Ana Remesal, María José Corral, Iria SanMiguel, Patricio García-Minguez, Tomas Macsotay, & Ernesto Suárez

[***Ordinary differential equations in a mathematical modeling context***](#) (VP_309)

Amábile Mesquita, & Celina Abar

[***Mixed reality in secondary education***](#) (VP_311)

Verónica Marín, Ignacio González, Belen Quintero, & Eloísa Reche

[***Cultivating collaborative online international learning \(COIL\) experiences for undergraduate health educators in the classroom***](#) (VP_314)

Jessica Maureen Harris, & Minjung Seo

[***Teachers' perception of digital game-based learning in early childhood education in rural schools in Ghana***](#) (VP_316)

Prince Kelvin Owusu, & Irene Govender

[***MOOCs creation and management methods: Exploring the design approach of a MOOC on European history and culture***](#) (VP_321)

Roberta Pireddu

[***Analysis of Burton's male characters: Confronting gender stereotypes in foreign language learning***](#) (VP_336)

Manuel Jesús Cardoso-Pulido, & Leopoldo Medina Sánchez

[***Innovative teaching of philosophy through drama: Socrates***](#) (P_337)

Anna Lazou, & Giannis Spyridis

[***Response to intervention \(RTI\) program for the development of executive functions in first-year elementary school***](#) (VP_344)

Graziele Kerges-Alcantara, & Simone Aparecida Capellini

[***Ecodidactics: An ecological educational perspective***](#) (VP_354)

Raffaella C. Strongoli

[***Corporate university the light of the educational psychology in organizations: An experience report***](#) (VP_368)

Victória Mabily Cavalin, Victória Trezza Cosenza Oliveira, Caroline de Windsor Gonçalves, & Lucas Cavalin

[***A heterogeneous ability grouping model for cooperative learning based on nonparametric weighted skill diagnosis***](#) (OP_377)

Yi-Jin Ju, Tai-Ming Chen, Pei-Jyun Hsieh, & Cheng-Hsuan Li

[***Teach industrial design students how to make physical products***](#) (VP_386)

Miguel Terroso

[***The amphibious life of South African schools departmental heads: A straddle between leading and teaching***](#) (VP_394)

Tshepo T. Tapala

[***Students perceptions about the influence of school environment on their academic performance in physics***](#) (VP_401)

Ayodele Abosede Ogegbo

[***The contribution of project based-learning in the development of students' skills in senior high school***](#) (VP_402)

Katerina Kasimatis, Eleni Bekiari, & Vivi Delikari

[***Using immersive technologies to enhance student learning outcomes in clinical sciences education and training***](#) (VP_415)

Richard Kalunga, & Fatma Elshobosky

[***Assumptions about learning that underpin teachers' feedback practices***](#) (VP_417)

Verónica Yáñez-Monje

[***Designing rubrics to assess pedagogical knowledge of prospective teachers***](#) (VP_421)

Verónica Yáñez-Monje, Marian Aillón-Neumann, Marcela Palma-Troncoso, & Cecilia Maldonado-Elevancini

[***Virtual reality in speech sound disorders therapy***](#) (VP_429)

Carolina Bodea Hațegan, Dorina Talaș, & Raluca Trifu

[***Dramatic play as a developmental means of preschool children's motor creativity***](#) (VP_431)

Aspasia Panagiotaki, Kalliopi Trouli, & Michalis Linardakis

[***Multicultural perspectives of L2 learning***](#) (VP_433)

Gaetano Di Napoli, Massimiliano Schirinzì, & Maria Garro

[***Measuring inquiry abilities of young learners using a performance-based assessment***](#) (VP_434)

Cinthy Kayser, Mafor Penn, Umesh Ramnarain, & Hsin Kai Wu

[***Significance and attitude of teaching applied mechanics calculations in civil technology: Students analogy***](#) (VP_436)

Khojane Geoffrey Mokhothu

[***Performing small project assessment in civil technology through heutagogy approach teaching and learning process***](#) (VP_437)

Khojane Geoffrey Mokhothu

[***Harnessing pedagogical affordances of online tools to enhance grade 11 physical sciences learners' conceptual understanding of electromagnetism***](#) (VP_441)

Sam Ramaila

[***Technology integration in grade 10 life sciences teaching and learning***](#) (VP_442)

Sam Ramaila

[***Valid but not \(too\) reliable? Discriminating the potential of ChatGPT within higher education***](#) (VP_444)

José L. González-Geraldo, & Leticia Ortega López

[**Behavioural disorders and the law: The legal situation of pupils with behavioural problems in the international context - with particular reference to disciplinary issues** \(VP_455\)](#)

Tamas Remenyi

[**Experiential pedagogical model for teaching management and leadership in higher education** \(VP_460\)](#)

Jonna Käpylä, & Miikka Palvalin

[**A strength-based mentorship programme for novice teachers illuminated by acquired strengths** \(VP_466\)](#)

Shaun Peens

[**Artificial intelligence chatbots – a help or hindrance to computer science education** \(VP_469\)](#)

Paul Sage

[**Jumping out of the comfort zone: Promoting collaborative learning through music and movement course in higher education** \(VP_472\)](#)

Katy leong Cheng Ho Weatherly

[**An evaluation of flipped classroom pedagogy in natural sciences learning using mobile virtual reality** \(VP_473\)](#)

Mafor Penn

[**Technostress in distance learning: the positive learn project** \(VP_477\)](#)

Dimitra Pappa, Jan Pawlowski, Kati Clements, & Sofoklis Sotiriou

[**COVID-19: Rethinking the skills required of 21st century educators** \(VP_478\)](#)

Jan Pawlowski, Dimitra Pappa, Kati Clements, & Sofoklis Sotiriou

[**The power of higher education curriculum in shaping character and perception: A social change dimension** \(VP_482\)](#)

Pulane Adelaide Molomo

[**Gamification in the Portuguese language subject: A review of two e-learning platforms** \(VP_483\)](#)

Madalena Gomes, Ana Catarina Silva, & Jorge Pereira

[**Development of critical thinking - wishful thinking or reality in elementary schools** \(VP_490\)](#)

Dana Hanesová, & Katarína Vančíková

[**Ability grouping and inclusive practice in foreign language teaching** \(VP_491\)](#)

Katarína Vančíková, & Dana Hanesová

[**Integrating sustainability into information and knowledge management curriculum** \(VP_501\)](#)

Jonna Käpylä

[**Song-leading: An overview on contrasting didactics** \(VP_506\)](#)

Gabriella Cavasino

[**Changes of teacher-student/students communication in study process: Context of remote teaching/learning** \(VP_519\)](#)

Rasa Pocevičienė

[**Multicultural and intercultural communication: New learning and teaching models** \(VP_520\)](#)

Rasa Pocevičienė

[**What we talk about when we talk about innovation and vocational education? A scientometric analysis of the research framework** \(VP_521\)](#)

Felipe Guevara-Pezoa

[**The ugly side of teaching practice: Teachers' perceptions of student teachers' immoral and unprofessional behaviour during teaching practice** \(VP_534\)](#)

Jaysveree M. Louw

[**Lecturers' perspectives on the internationalised teacher education curriculum: South Africa** \(VP_535\)](#)

Nosihle Veronica Sithole

[**Reducing access barriers, hiding learning barriers: An ethical \(Kantian\) critique of the open admissions model used in MOOCS \(VP_542\)**](#)

Louai Rahal

[**Investigating the implementation and administering of assessment policy at technical vocational education and training \(TVET\) college in the Free State \(VP_545\)**](#)

Paseka Ndleleni, Paseka Mollo, & Khojane Mokhothu

[**Measuring self-regulated learning in students with/without care-responsibilities to push gender equity \(P_546\)**](#)

Luzi M. Beyer, & Annina Böhm-Fischer

[**Implementation of organizational models that promote pupil attendance and create social value? An interdisciplinary process study \(VP_551\)**](#)

Katharina Jacobsson

[**Music teaching and learning community service program – teaching music to elders \(VP_555\)**](#)

Pui Kei Lau

[**Gamification app “expresate con ciencia” boosts utility and acceptance for health science students \(VP_565\)**](#)

Lorenzo Rivas-Garcia, Lara Crespo-Antolín, Cristina Moreno Amezcuca, Juan Llopis, & Cristina Sánchez-González

[**Hieroglyph and the foundation of children's teaching - Cosmic Language**](#)

[**-- Cosmic Language = world general type universal language, hieroglyph encoding language for spell characters \(P_568\)**](#)

Ma Wen Bin, Ma Jin Sheng, Ma Ran, & Dong Yu Ping

[**Research paths and future trends of online teaching quality in higher education: A bibliometric and content analysis \(VP_572\)**](#)

Xinzhu Wu, & Yan Xu

[**Do gender differences affect in admission and final grades correlation? \(P_574\)**](#)

Rubén Martín-Cabezuelo, Ana Vidaurre, Isabel Tort-Ausina, María-Antonia Serrano, Jaime Riera, Susana Quiles Casado, Nina Navajas-Pertegás, José Molina-Mateo, José María Meseguer-Dueñas, & José Antonio Gómez-Tejedor

[**Generational intelligence as an integral aspect of pre-service teachers' interpersonal communication competence \(P_584\)**](#)

Tai-Fen Chen, Daniel Chia-En Teng, & Ho-Yuan Chen

[**Game-based learning technology integrated cooperative learning in Geography in junior high school \(P_586\)**](#)

Ho-Yuan Chen, Daniel Chia-En Teng, & Tai-Fen Chen

[**Effects of life education on attitudes toward well-being \(P_587\)**](#)

Yi-Mei Wang, Ho-Yuan Chen, & Tai-Fen Chen

[**Uncovering a presumptive learning progression on electricity and magnetism: A case study of meaningful science teaching and learning in South African high schools \(VP_585\)**](#)

Sakyiwaa Boateng

[**Exploring the change to remote learning in Nepal \(VP_608\)**](#)

Paul Sparks, & Jeff Lee

[**Improving STEM access with a collaborative 3D/VR design lab \(VP_609\)**](#)

Paul Sparks, & Valerie Schmitz

[**Identifying patterns of tactile exploratory behaviors in children with vision impairment and multiple disabilities \(VP_610\)**](#)

Maria Papazafiri, & Vassilis Argyropoulos