

Timetable

Korea Standard Time (Central European Summer Time)	Program	Run Time
15:50-16:00 (08:50-09:00)	<p style="text-align: center;">5/28</p> <p style="text-align: center;">Opening Session Chair : Eun Young Jung (Korea National University of Education)</p> <p>Opening Address Seoung-Hey Paik Chairman, International Society for the Advancement of STEAM, Korea</p> <p>Congratulatory address Nurhasanah Farida Deputy Director, SEAMEO Regional Centre for QITEP in Mathematics, Indonesia</p> <p>Welcoming address Chung Won Cho Chairperson, Foundation for the Advancement of STEAM, Korea</p> <p>Opening Ceremony Haneul-sori Ocarina group</p>	10'
16:00-17:00 (09:00-10:00)	<p style="text-align: center;">Keynote Remarks Chair : Eun Young Jung (Korea National University of Education)</p> <p>Young-Hoon Kim, "Printing Space: Application of 3D Printing in Geography Education and Research" Korea National University of Education, Korea</p> <p>Donald Gray, "Changing our Way of Thinking. From Fragmented Nature to Holistic Science" School of Education, University of Aberdeen, UK</p>	60'

Emmanuel Ponchon, “eduScrum and the Transformation of Education”
 eduScrum, Spain

A Roundtable Discussion Chair : Kristof Fenyvesi (Finnish Institute for Educational Research, Finland)

17:05-18:35 (10:05-11:35)	Pamela Burnard and Laura Colucci-Gray University of Cambridge, and Moray House School of Education and Sport, UK	“Why science and arts creativities matter: What posthumanism makes possible as transdisciplinary configurations in education for sustainable futures”	90'
	Anssi Lindell and Kristof Fenyvesi University of Jyväskylä, and Finnish Institute for Educational Research, Finland	“Finnish pre-service teachers’ views on the relationship between sustainability and technological development”	
	Eun Young Jung*, Kyeongsik Choi, Hogul Park and Seung-Hey Paik Korea National University of Education, and Yangji High School, Korea	“The Creativity Education on the catenary curve of traditional Korean architecture (Hanok) using GeoGebra”	
18:35-18:40 (11:35-11:40)	Intermission		05'
Session 1 Live Oral Presentation Chair: Carla M.A. Pinto (Instituto Superior de Engenharia do Porto, Portugal)			
18:40-20:00 (11:40-13:00)	Kyeongsik Choi, Seung-Hey Paik Yangji High School, and	“Types and hindrance factors of pre-service teachers’ TPACK”	

Korea National University of Education, Korea	
Carla M.A. Pinto, and Lurdes Babo and Jorge Mendonça School of Engineering, Polytechnic of Porto, and Polytechnic of Porto and CEOS. PP, Portugal	“Adaptation to emergency remote teaching from the students’ point of view”
Thierry (Noah) Dana-Picard, and Sara Hershkovitz Jerusalem College of Technology, and Levinsky Academic College for Education, Israel.	“A new pedagogic frame for STEAM Education in Covid-19 time”
Julia Wolfinger GeoGebra Origin Lab at the School of Education in Linz, Austria	“GeoGebra Classroom”
Kenneth AU Kin Keung Hong Kong Taoist Association Wun Tsuen School, Hong Kong	“Equipping students to change the future through STEAM education”
Cheng Wing Kin The University of Hong Kong, Hong Kong	“How to make Mathematics learning sustainable from a learner’s perspective?”

	<p>Corrado Falcolini Roma Tre University, Italy</p>	<p>“Solving challenging problems using GeoGebra ... at a distance”</p>	
	<p>Farida Nurhasanah, Russasmita SriPadmi, Uki Rachmawati, Ruciana Galunggung SEAMEO Regional Centre for QITEP in Mathematics, Indonesia</p>	<p>“Empowering STEM Professional Learning Community by Designing and Implementing Creative and Innovative TPD Programs”</p>	
Session 2. Pre-recorded Presentation		Chair : Youngmi Kim (Korea National University of Education)	
18:40-20:00 (11:40-13:00)	<p>Péter Négyesi , Ilona Oláhné Téglási, and Réka Racsko Eszterházy Károly University, Hungary</p>	<p>“Pros & cons of e-learning environments from an adaptivity perspective”</p>	80'
	<p>Sakhiyyah Afifah and Ida Kaniawati Postgraduate School of Universitas Pendidikan Indonesia, Indonesia</p>	<p>“Real-life storyboard method: a development of the storyboard method for environmental pollution learning”</p>	
	<p>Shafira Rizka Amani, and Ida Kaniawati Indonesia University of Education, Indonesia</p>	<p>“TR2C (Talking with parents, run your game, work collaborative, communicate clearly): A structured approach to teaching reproductive system in junior high school”</p>	

	<p>Soyul Yi, and YoungJun Lee Korea National University of Education, Korea</p>	<p>“Development of chemistry-centered STEAM program using machine learning platform for improving pre-service teachers’ teaching professionalism”</p>	
	<p>Youngmi Kim Korea National University of Education, Korea</p>	<p>“Pre-service teachers’ development of practical knowledge during the Free Semester system”</p>	
	<p>Eun-Ju Ryu Korea National University of Education, Korea</p>	<p>“Educational value of perception of model's Ignorance”</p>	
	<p>Philippe Longchamps BMSL, Lund, Sweden</p>	<p>“The Swedish national 4DFrame contest; Enlightening Imagination 2021”</p>	
<p>Session 3. Poster Chair: Dongyup Jung (Korea National University of Education)</p>			
<p>18:40-20:00 (11:40-13:00)</p>	<p>János Szász SAXON Poly-Universe Ltd Szokolya, Hungary</p>	<p>“PUSE METHODOLOGY, VISUAL EXPERIENCE BASED MATHEMATICS EDUCATION”</p>	<p>80'</p>
	<p>Seo-Yoon Jang, Seoung-Hey Paik Korea National University of Education</p>	<p>“A plan to improve high school students' convergent thinking skills Through the Living Lab project”</p>	

<p>Hac Jun Kim, Seoung-Hey Paik Korea National University of Education</p>	<p>“A Study on the Learning Effect of 5th grade Students in English Class Applying the Convergence Instruction Model”</p>
<p>Kughwa Lee, Seoung-Hey Paik Korea National University of Education</p>	<p>“A Literature Review on Pedagogical Methods for Convergence Education”</p>
<p>Ji-Yeong Kim, Seoung-Hey Paik Korea National University of Education</p>	<p>“Cultivating Convergence Thinking Ability through Safe Road Projects”</p>
<p>JIN CHA, Seoung-Hey Paik Korea National University of Education</p>	<p>“Educational Effects of Blended Mathematics Class through Aesthetic Experience“</p>
<p>Yong-min Park, Seoung-Hey Paik Korea National University of Education</p>	<p>“Decision-making program of high school students using Machine Learning Platform“</p>
<p>Hyunshik Ju, Seoung-Hey Paik, Yoonsun Oh Korea National University of Education</p>	<p>“Multicultural education for preservice teachers in Korea using educational television docudramas“</p>

20:00-20:30
(13:00-13:30)

Closing Session Chair : Eun Young Jung (Korea National University of Education (Korea National University of Education))

Closing Ceremony

Rocky Byun

Balancing Artist, Korea

Closing Address

Hogul Park

Vice-Chair, 4D Mathematical Science Creativity Research Institute, Korea

30'

5/29

Session 4. Workshop

Chair: Kyeongsik Choi (Yangji High School, Korea)

10:00-13:00
(03:00-06:00)

Mathematics Education Using GeoGebra in Post-Corona Era

180'

Sung Pil Kim

Jungwon High School, Korea

“GeoGebra and Covid-19”

Chang Woo Ryu Gwangyang High School, Korea	“Measuring the height of a pyramid using the concept of similarity”
Sangyun Lim Sejong Girls High School, Korea	“GeoGebra and Paperfolding activity”