ART IN STEAM 2022 CONFERENCE

Thursday, 20.01.2022 - Schedule in Central European Time CET

Link for Thursday: https://jku.zoom.us/j/98949868190
Meeting-ID: 989 4986 8190
Password: ArtsConf

08:30 - 08:35	Welcoming Words **Zsolt Lavicza**
08:35 - 11:30	**Interactive Session**
	Art, Cognitive Games, and Workshops **Eva Ulbrich**
11:30 - 12:00	**Robotic Interfaces** **Johannes Braumann** (University for Arts and Design Linz | Association for Robots in Architecture)
12.00 - 13.00	**Lunch Break**
13:00 - 17:00	**Scientific Presentations**
13:00 - 13:10	Opening of Scientific Program **Zsolt Lavicza**
13:10 - 14:00	**Keynote Speakers** **STEAM Powered Circus of Knowledge** **Mara Alagic** (Wichita State University, USA**)**
14:00 - 15:30	Presentations in **Parallel Sessions** – 10 Minutes Presentation, 5 Minutes Discussion
15:30 - 16:00	**Coffee Break**
16:00 - 17:00	Presentations in **Parallel Sessions** – 10 Minutes Presentation, 5 Minutes Discussion

Friday, 21.02.2022 - Schedule in Central European Time CET

08:30 - 08:40	Opening **Zsolt Lavicza**
08:40 - 10:15	Presentations in **Parallel Sessions** – 10 Minutes Presentation, 5 Minutes Discussion
10:15 - 10:30	**Coffee Break**
10:30 - 10:45	Introduction to Circus of Knowledge **Airan Berg**
10.45 - 11:10	**Keynote Speakers** Using a Posthumanist Lens to theorise 'Making-with' in Transdisciplinary Creativities: Exploring the value of 'Temporal Diffraction' as a form of analysing (co-) authorings **Pamela Burnard** (University of Cambridge, United Kingdom) **Laura Colucci-Gray** (University of Edinburgh, United Kingdom) **Carolyn Cooke** (Open University, United Kingdom)
11:10 - 11:35	**Keynote Speakers** Cognitive Development through Creative Problem-solving: Celebrate the 150th Anniversary of Mondrian's Birth with Mondrian Blocks! **Kristóf Fenyvesi** (Finnish Institute for Educational Research, University of Jyväskylä) **László Mérő** (Eötvös Loránd University, Hungary) **Imre Kökényesi** (Smart Egg LTD, Hungary) **Christopher Brownell** (Fresno Pacific University, USA) **Eleonóra Stettner** (Kaposvár University, Hungary)
11:35 - 12:00	**Discussion** - Reflections moderated by Zsolt Lavicza & Eva Ulbrich
12:00 - 13:00	**Lunch Break**
13:00 - 15:00	**Panel discussion of the Arts in STEAM Conference:** **Furthering STEAM Education** Chairs: Zsolt Lavicza (JKU), Kristóf Fenyvesi (University of Jyväskylä, Finnish Institute for Educational Research) **PART 1: STEAM AROUND THE WORLD** **Paula Vorne** (City of Oulu, Finland): The STEAM in Oulu Network **György Darvas** (Symmetrion, Hungary): Complex Symmetries in Research and Education **Werner Olivier & Carine Steyn** (Nelson Mandela University): STEAM in South Africa **Rosa Cecila Caro, Sofia Ramirez Soto** (Colegio Hacienda Los Alcaparros, Columbia): The Creative Brain Project and the Classroom Thinktank **PART 2: STEAM IN AUSTRIA** **Christian Bertsch** (University College of Teacher Education Vienna): Vienna, Austria **Doris Arztmann** (BMBWF): Vienna, Austria **Marie-Sophie Attems** (OeAD, Innovation Foundation for Education, MINT4future): Vienna, Austria **Peter Koller** (BMBWF): Vienna, Austria

Art and Workshops on Thursday Morning 20th of January 2022

Session / Chair	Art, Workshops, Performances 1 — Eva Ulbrich, Shereen El Bedewy	Art, Workshops, Performances 2 — Abril Armenta, Natalija Budinski	Art, Workshops, Performances 3 — Lajos Sebestyen Szabo, Pasttita Ayu Laksmiwati
8:35-9:00 CET	**Eva Ulbrich Shereen El Bedewy,** Mazes, Architecture and Jewellery	**Indiara Di Benedetto** Future Memories of Deep Water	**Carine Steyn, Werner Olivier, Victoria Shezi** A visual journey of the South African MathArt Competition for secondary school learners
9:00-9:30 CET	**Uncok Manigor Jokkas Siahaan** How to create a social context for creating a STEAM project	**Julia Moser** Textile Bacteria Dyeing	**Dewa Gede Parta, Farida Nurhasanah** Painting Sierpinski using Geogebra
9:30-10:00 CET	**Defne Yabaş** Integrating STEM+A into elementary classroom settings	**Natalija Budinski** Use of 3D printing for STEAME education	**Tung Ken Lam** Folded paper corrugation
10:00-10:30 CET	**Wahid Yunianto** Creating Artistic Tessellation on Ms. Words: Everyone has it; let's make it!	**Albert Carpenter** Knot Nets for Math and Art Education	**Lajos Sebestyen Szabo** Zenema Teq - An Online Application Designed for Learning Mathematics through Creative Musical Tasks
10:30-11:00 CET	**Hans Schepker** Freehand spatial Imagination	**Abril Armenta F, Pei-Chen Tsai** Dancing with Physics	**Barbara Jazbec** EERIE ME, 2021, Interactive sculpture
11:00-11:30 CET		**Diego Lieban** Escher tessellation and the use of circles	

Presentations Part 1 on Thursday 20th of January 2022

Session # Chair	Session 1 *Fadhlan Muchlas Abrori* *Johanna Zöchbauer*	Session 2 *Branko Anđić* *Brigitta Békési*
14:00-14:15 CET	**Pasttita Laksmiwati** The use of Indonesian Local Cultural Context to Empower STEAM Hybrid Learning Environment	**Theodosia Prodromou** Learning mathematics by building a tower
14:20-14:35 CET	**Noni Dwi Sari** Project-Based STEAM Learning on Mathematical Number Patterns to Improve Student Motivation	**Noah (Thierry) Dana-Picard, Sara Hershkovitz** Virtual art in space with planetary orbits
14:40-14:55 CET	**Johanna Zöchbauer** Whole-Class Activity with 3D geometrical freehand drawings as part of a hybrid lesson	**Vilmos Vass** The experience and results of the implementation of the international project on SteamTeach in Hungary
15:00-15:15 CET	**Gede Suweken** STEAMizing Analytic Geometry Through Its Application and GeoGebra	**Brigitta Békési** Teaching: the art of arts
15:15-15:30 CET	**Break**	

Presentations Part 2 on Thursday 20th of January 2022

Session # Chair	Session 1 *Jukka Sinnemäki* *Ulla Paraluppi*	Session 2 *Oi Mei Teo* *Fadhlan Muchlas Abrori*
16:00-16:15 CET	**José Ronaldo Alves Araújo** Graphical Data Analysis with GeoGebra: a study based on assumptions of Transnumeration and Data Visualization	**Oi Mei Teo** Learning Mathematics through Arts-Integrated Tasks with GeoGebra.
16:15-16:30 CET	**Ulla Paraluppi** How to motivate more teachers to apply for the position as a principal in primary school	**Mohamed Ababou** In order to correct the course of Mathematics
16:30-16:45 CET	**Denise Dennis** Integrating STEAM Practices in the Social Studies Curriculum	**Mona Emara** Learning analytics
16:45-17:00 CET	**Jukka Sinnemäki** Value comes with the artist	**Kristina Tica** Computational Aesth-ethics: Understanding visual computation processes between the image and context

Presentations Part 3 on Friday 21st of January 2022

Session # *Chair*	Session 1 *Shereen El Bedewy* *Eva Ulbrich*	Session 2 *Pasttita Ayu Laksmiwati* *Marina Rottenhofer*
08:40-08:55 CET	**Vilmos Katona** Science fiction comes true by 3D printing	**Paola Guimeráns** E-textiles to integrate STEAM at Primary Schools Libraries
08:55:-09:10 CET	**Shereen El Bedewy** A STEAM practice with an A Emphasize!	**Marina Rottenhofer** Let the games begin – a workshop to introduce computational thinking unplugged with modeling and game design
09:10-09:25 CET	**Celina Abar** Arts and Mathematics: GeoGebra focused on Isometric Transformations	**György Darvas** Short Comments on Arts-related Symmetry Education
09:25-09:40 CET	**Einav London** "Babes-Bolyai" University of Cluj-Napoca	**Echo Zhang** Facilitating Computational Thinking Skills in Elementary Classrooms
09:40-09:55 CET	**Tahir Ramzan** Artistic Patterns in GeoGebra	**I Made Dwipayana, Gede Suweken** Integrating Coding Into Geometry to Improve Grade 8 Students' Engagement in Learning
09:55-10:00 CET	**Discussion**	