

Atlantic Daylight Time (ADT)	'Tuesday, August 16 th	
09:00 – 09:30	Welcome & Video break	
09:30 – 10:00 1 Presentation Session	Shifting teachers' attitudes toward development STEM skills in early childhood - Mark Applebaum & Judith Zamir, Kaye Academic College of Education, Israel	
10:00 – 10 :30 1 Presentation Session	Computational thinking and Mathematics viewed as transdisciplinary configurations - Morten Misfeldt & al., University of Copenhagen, Denmark	
10 :30 – 11 :00	Openning Remarks	
11:00 – 12:00 Keynote	Let's Steam ! Creative problem solving in interdisciplinary projects - Margarida Romero Université de Nice, France	
12:00 - 13:00	Video break (+ lunch for the organizers)	
13:00 – 13:30 2 Presentation Sessions	Characterising problem handling in the intersection between computational thinking and mathematics - Raimundo Elicer, Aarhus University & Andreas Lindenskov Tamborg University of Copenhagen, Denmark	When an inclusive math competition opens the door to STEM - Manon LeBlanc & Paul Deguire, Université de Moncton, Canada
13:30 – 14:00 2 Presentation Sessions	Empowering students' mathematics problem-solving skills: The role of computational thinking - Yimei Zhang, McGill University, Tanya Chichekian, Université de Sherbrooke, Annie Savard, McGill University, Canada	Rapturousness in makerspaces: Delight in construction - Olga Fellus, University of Ottawa, & Viktor Freiman, Olivia Lurette, Université de Moncton, Canada
14:00 - 14:30 2 Presentation Sessions	Bridging the practice-to-research chasm for in-service STEM teachers - Heather McPherson McGill University	Interdisciplinarity of science, mathematics and technology in a context of scientific investigation in elementary school using a virtual manipulatives - Takam Djambong, Université de Moncton, Canada
14:30 – 15:00	Video break	
15:00 - 15:30 1 Presentation Session	Bodymarking: Interpreting Embodied Experiences of Spatial Reasoning - Josh Markle, Brock University & Jo Towers, University of Calgary, Canada	
15:30 - 16:00 1 Presentation Session	Examining Physics Teachers' Views Of Mathematical Knowledge For Science Teaching - Marina Milner-Bolotin, University of British Columbia & Rina Zazkis, Simon Fraser University, Canada	

Atlantic Daylight Time (ADT)	'Wednesday, August 17 th	
10:00 – 10:30 1 Presentation Session	"Musimath": Creative thinking via Music, Math and Technology in elementary school - Libby Azaryahu, Levinsky College of Education et al., Israel	
10:30 – 11 :00 1 Presentation Session	Poetry and mathematics in relation - Richard Barwell, University of Ottawa, Canada & Yasmine Abtahi, University of South-Eastern Norway	
11:00 – 12:00 Keynote	Supporting youth's socially engaged inquiry through the arts - Camillia Matuk, University of New York, United States	
12:00 - 13:00	Video break (+ lunch for the organizers)	
13:00 – 13:30 2 Presentations Session	Lifestyles Project: An Interdisciplinary Integration of Mathematics with Science, Arts and English - Midhat Noor Kiyani, McGill University & al., Canada	Role of understanding of mathematical concepts in the context of debugging computer codes - Jacques Kamba & Viktor Freiman, Université de Moncton, Canada
13:30 – 14:00 2 Presentations Session	Beyond Flipped Classrooms: Learning Experiences in an Undergraduate Physics course - Dominic Manuel, Marc de Montigny, University of Alberta et al., Canada	Mathematics and Its Link to Statistical Mechanics - Amel Kaouche, Université de Moncton, Canada
14:00 - 14:30 2 Presentations Session	Breaking down classroom walls to STEMulate collaboration in science and mathematics education - Manon LeBlanc, Nicole T. Lirette-Pitre & Micaël Richard, Université de Moncton, Canada	Connecting arithmetic and geometry as an artistic expression of collateral creativity - Sergei Abramovich, State University of New York, United States & Viktor Freiman, Université de Moncton, Canada
14:30 – 15:00	Video break	
15:00 - 15:30 1 Presentation Session	Revisiting Abeng for Multispecies' Flourishing - Steven Khan & al., Brock University, Canada	
15:30 - 16:00 1 Presentation Session	MULTIDISCIPLINARITY IN TEACHING STEM THROUGH MODELLING: IMPLICATIONS FOR TEACHER EDUCATION - Dragana Martinovic, University of Windsor & Marina Milner-Bolotin, University of British Columbia, Canada	
16:00 - 16:30 1 Presentation Session	Literature and the Construction of the Mathematical Self: The Case of Picturebooks - Olga Fellus, University of Ottawa, Canada	

Atlantic Daylight Time (ADT)	Thursday, August 18 th	
10:00 – 10:30 1 Presentation Session	Rep-Tile Tangram - Sabine Segre, Achva Academic College, Israel	
10 :30 – 11 :00 1 Presentation Session	Embodiment and competencies: A discussion of the KOM-framework of mathematical competences - Oliver Kauffmann & Uffe Thomas Jankvist, University of Copenhagen, Denmark	
11:00 – 12:00 Keynote	Social Media, School Mathematics, and Epistemology - Mario Sánchez Aguilar Instituto Politécnico Nacional, Mexico	
12:00 - 13:00	Video break (+ lunch for the organizers)	
13:00 – 13:30 2 Presentations Session	Mathematics for Multispecies' Flourishing: A case for kolams - Olivia Lu, Sreedevi Rajasekharan, Steven Khan, Brock University, Canada	To tinker or not to tinker... that is the question: A study of problem solving within the context of digital fabrication - Caitlin Furlong, Université de Moncton, Canada
13:30 – 14:00 2 Presentations Session	Premature children's negotiation of mathematic identity in the figured worlds of home and classroom - Rebecca Pearce, McGill University, Canada	Creativity in situ, the art of living mathematics in a school setting - Xavier Robichaud & Viktor Freiman Université de Moncton, Canada
14:00 - 14:30 2 Presentations Session	Potentialities of a Narrative Approach for Critical Mathematics Inquiry - Nadia Stoyanova Kennedy City University of New York, United States	Some mathematical models to improve practitioners skills in ball games. Perspectives of their use in basic and applied research - Bienvenu Rajaonson, Université de Moncton, Canada
14:30 – 15:00	Video break	
15:00 - 15:30 1 Presentation Session	What is an Experimental Math Space? - Amenda Chow, York University, United States	
15:30 - 16:00 1 Presentation Session	What is geometric about geometric sequences? Informal justifications for mathematical terminology - Andrew Kercher, Anna Marie Bergman & Rina Zazkis, Simon Fraser University, Canada	

Atlantic Daylight Time (ADT)	'Friday, August 19 th	
10:00 - 10:30 2 Presentations Session	John Keats “Ode on a Grecian Urn” in Aesthetic Geometry with inversion - Revolt Pimenov	The history of multiplication - Akbar Zamani Lenjani, Isfahan Mathematics House, Iran
10 :30 – 11 :00 2 Presentations Session	Dancing mathematical processes: stochastic and flow of motion dance - Jorge Soto-Andrade, Universidad de Chile & Ami Shulman, Chile	A New Method For Constructing Penrose-like Tilings By Using Traditional Iranian Patterns - Payam Seraji and Mohammad Hossein Eslampanah, Isfahan Mathematics House, Iran
11:00 – 11:30 2 Presentations Session	Teaching Geometry with a Human-Centered Design Approach - Gloriana González & Saadeddine Shehab, University of Illinois Urbana-Champaign, United States	Leonardo da Vinci’s infinitesimal methods - Viktor Freiman, Université de Moncton, Canad & Alexei Volkov, National Tsing-Hua University, Taiwan
11:30 - 12:00	Video break	
12:00 - 13:00 Keynote	Inspired by Mi'kmaw Knowledge: Creating Space for Mathematics to Emerge - Lisa Lunney Borden St. Francis Xavier University, Canada	
13:00 - 13:15	Video break	
13:15 – 14:15 Round table	Mathematics and its Connections to the Arts and Sciences (MACAS): 15 years of Interdisciplinary Mathematics Education: celebrating our success and discussing the future.	
14:15 – 14:30	Closing session	