

Mathematical Modelling Conference: Putting Reality into Practice

18 October 2022 • 10:00-15:45

PROGRAM

9:15	Registration and refreshments
10:00	Opening and greetings Tali Tal, Faculty Dean ; Zehavit Kohen, Conference Chair <i>Room 107 (Auditorium)</i>
10:15	Keynote lecture: State-of-the-art on the teaching and learning of mathematical modelling. Gabriele Kaiser Discussant: Roza Leikin <i>Room 107 (Auditorium)</i>
11:30	Coffee break
11:45	Parallel workshops: <ul style="list-style-type: none">How to motivate teachers and students to teach and learn mathematical modelling?. Saleit Ron, Yossi Wagner, & Noam Aramczuk, <i>Room 300</i>Think far with mathematics: Does it make sense?. Ruhama Even, Galia Gonen, Alina Speisky, Naomi Robinson, & Zippora Resnick, <i>Room 309</i>Literacy in mathematics classrooms: How to promote students' thinking?. Einat Heyd-Metzuyanin & Talli Nachlieli, <i>Room 308</i>Videos-based classroom observations: learning about teaching of mathematical literacy. Michal Ayalon, Shula Weissman, Yael Lin, & Orit Avital Levi, <i>Room 307</i>
12:30	Lunch + Lab tours at the MtED lab (PI. Kohen) and the Chemistry Escape Room (PI. Avargil)
13:30	Parallel lectures: Modelling and technology, Room 307 <ul style="list-style-type: none">Solving geometrical extreme problems by non-differential methods: The case of low-achievers students in a technological environment. Michal Tabach & Asaf DvirOn mathematical modelling and the challenges involved in assessing students' literacy skills. Yaniv BitonA physics perspective on teaching mathematical modeling in school. Shulamit Kapon & Guy Raviv Modelling and teachers, Room 107 (Auditorium) <ul style="list-style-type: none">Teaching for mathematical literacy and exploration: The beliefs and practices of Arab teachers in professional learning communities. Soryna SabbahModelling and proving: Can they be combined, and if yes, then so what?. Boris KoichuTeachers compose and design contextual mathematical tasks - focus on products. Alik Palatnik Modelling in various contexts, Room 220 <ul style="list-style-type: none">Beyond modelling: A mathematical perspective on the world. Abraham Arcavi"Speak to me in numbers" - a data-driven and cross-disciplinary pedagogy. Shelly RapMathematical modelling in STEM-related contexts. Zehavit Kohen
14:30	Coffee break
14:45	Workshop Professional competence for teaching mathematical modelling. Hans-Stefan Siller <i>Room 107 (Auditorium)</i>
15:30	Summary, Room 107 (Auditorium)

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