

Music-Tech Workshop, School of EE, Tel Aviv University

April 22, 2025, Broadcom Auditorium, Broadcom Building

Organizers: Dr. Lior Arbel and Prof. Ram Zamir

Time	Speaker(s)	Title
8:30 - 9:15		Gathering
9:15 - 9:25	Prof. Noam Eliaz – Dean of Engineering Prof. Eran Socher – Head of EE School Prof. Uri Rom – Head of School of Music Prof. Ram Zamir – co-organizer	Welcome address
9:25 – 10:00	Prof. Mark Sandler Queen Mary University, London **The Institute of Advanced Studies** IAS Distinguished Scholar	The Centre for Digital Music at Queen Mary University of London: history, facts and lessons
10:00 – 10:25	Dr. Lior Arbel Technion & Ben Gurion University	Soundscape Synthesizer / Music Technology Lessons Learned the Hard Way
10:25 – 10:50	Mrs. Hadas Pe'ery School of music, Tel Aviv University	Motion Sensor Design: Building Expressive Tools for Dance-Music Interaction
10:50 – 11:20		Coffee break 1
11:20 – 11:45	Mr. Gil Peled Simply	Reshaping Music Learning: Innovating Real-Time Polyphonic Music Transcription for Simply Piano
11:45 – 12:10	Mr. Ben Maman Audio Labs, Fraunhofer institute	Multi-Aspect Conditioning for Diffusion-Based Multi-Instrument Music Synthesis
12:10 – 12:35	Prof. Boaz Refaely Ben Gurion university	Spatial audio recording and Ambisonics encoding
12:35 – 13:45		Lunch break
13:45 – 14:10	Dr. Neta Maimon TAU	Music, Tech, and Neuroscience: Using Sound to Assess and Enhance Brain Function
14:10 – 14:35	Dr. Noam Amir Tel Aviv University	Music production and perception research at Tel Aviv University
14:35 – 15:10	Industry-academia panel: Moderator: Dr. Shuki Koriski (TAU). Participants: Prof. Mark Sandler (QMUL), Prof. Uri Rom (TAU), Dr. Noam Amir (TAU), Mr. Gil Peled (Simply), Mr. Matan Kollnescher (MyPart), Dr. Ilan Levy (Ono)	
15:10 – 15:40		Coffee break 2
15:40 – 16:05	Mr. Matan Kollenscher MyPart	Music in the Age of AI Reproduction: From Human Creation to Machine Interpretation
16:05 – 16:30	Prof. Oded Ben Tal Kingston University, London	Human AI Co-Creation: the case for music improvisation