

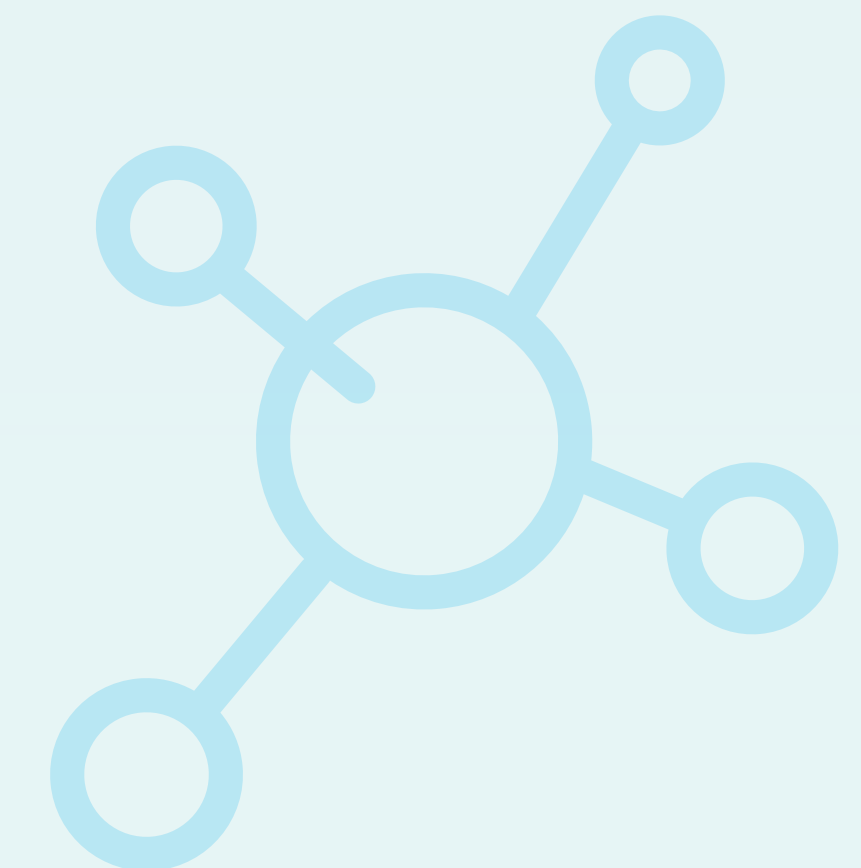
August 24-25th, 2022 | 8:30-17:30 | Auditorium in Building 6

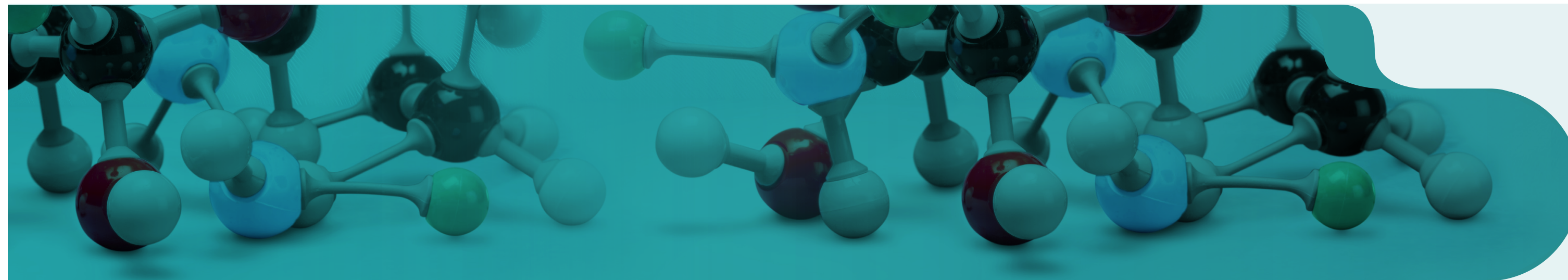
PROGRAM | Wednesday 24.8.2022

08:30-09:30	Registration & Refreshments
09:30-09:50	Opening Session Chair: Prof. Reshef Tenne - Weizmann Institute of Science, Israel Greetings: Prof. Eduard Yakubov – HIT President Prof. Shaul Bar Lev – HIT Rector Prof. Ezra Zeheb – Dean, Faculty of Sciences, HIT Prof. Yosef Ben Ezra – Dean, Faculty of Electric and Electronics Engineering, HIT
09:50-10:35	Session 1 Chair: Boris Fainberg
	Plenary Speaker: Prof. Giulio Cerullo Politecnico di Milano, Italy. Ultrafast Dynamics of Two-Dimensional Materials
	Session 2 Polaritronics and Topological Plasmonics Chair: Lena Yadgarov
10:35-11:10	Keynote Speaker: Prof. Tal Schwartz Tel-Aviv University, Israel. Molecules in a Quantum-Optical Flask
11:10-11:35	Coffee Break; Exhibition and Posters Viewing
11:35-12:05	Invited Speaker: Dr. Yuri Gorodetski Ariel University, Israel. Topological Effects in Plasmonic Metasurfaces

	Session 3 Spintronics and Photonics Chair: Yuri Gorodetski
12:05-12:40	Keynote Speaker: Prof. Yossi Paltiel The Hebrew University of Jerusalem, Israel. Enabling Efficient Green Energy and Pure Drugs by Manipulating the Electron Spin
12:40-13:10	Invited Speaker: Dr. Lena Yadgarov Ariel University, Israel. Dynamical Nature of Exciton-Polariton Coupling in WS₂ Nanoparticles
13:10-14:10	Lunch; Exhibition and Posters Viewing
	Session 4 Emergent Tools for Nanomaterials & Nanotechnology I Chair: Alex Laikhtman
14:10-14:45	Keynote Speaker: Prof. Antonio Di Bartolomeo University of Salerno, Italy. 2D Materials in Back-Gate Field-Effect Devices
14:45-15:15	Invited Speaker: Prof. Yaron Paz Technion, Israel. Transient Infrared Spectroscopy as a Tool for Studying Photoactive Materials
15:15-15:45	Invited Speaker: Dr. Ivan Bykov NT-MDT Spectrum Instruments. Novel AFM-Based Methods for Complex Analysis of Nanomaterials
15:45-16:05	Coffee Break; Exhibition and Posters Viewing

	Session 5 Emergent Tools for Nanomaterials & Nanotechnology II Chair: Zdenek Sofer
16:05-16:35	Invited Speaker: Dr. Sidney R. Cohen Weizmann Institute of Science, Israel. Remarkable Properties of Pb-Based Halide Perovskites Revealed by Nanotools
16:35-17:05	Invited Speaker: Dr. Alex Axelevitch Holon Institute of Technology (HIT), Israel. Characterization of Wide Bandgap Semiconductor Thin Films by the Dynamical Hot-Probe Method





August 24-25th, 2022 | 8:30-17:30 | Auditorium in Building 6

PROGRAM | Thursday 25.8.2022

08:30-09:30	Registration & Refreshments
9:30-10:15	Session 6 Chair: Julio A. Alonso
	Plenary Speaker: Prof. Yuval Garini Technion, Israel. <i>DNA Origami & Single-Molecule Techniques for Biomedical Applications</i>
	Session 7 Bionanotech & Nanomedicine Chair: Amos Bardea
10:15-10:50	Keynote Speaker: Prof. Ofra Benny The Hebrew University of Jerusalem, Israel. <i>Nanomedicine and Smart Materials for Drug Delivery and Cancer Diagnostics</i>
10:50-11:20	Coffee Break; Exhibition and Posters Viewing
11:20-11:50	Invited Speaker: Mr. Aryeh Batt Precise Bio, Israel. <i>4D Bio Printing - from Theory to the Clinic</i>
11:50-12:20	Invited Speaker: Prof. Amnon Bar-Shir Weizmann Institute of Science, Israel. <i>In-Situ NMR Reveals Inorganic Nanocrystal Growth Mechanisms towards their Development as Functional Materials</i>

12:20-13:10	Poster Session Chair: Alla Zak Flash (3 minutes / 2 slides) Power Point presentations
13:10-14:10	Lunch; Exhibition Viewing
	Session 8 Energy Conversion & Storage Materials Chair: Ofra Benny
14:10-14:45	Keynote Speaker: Prof. Julio A. Alonso University of Valladolid, Spain. <i>Adsorption and Storage of Hydrogen in Porous and Layered Materials</i>
14:45-15:15	Invited Speaker: Dr. Ehud Galun Ministry of Defense, Israel. <i>3D Printing from Nano to Advanced Manufacturing</i>
15:15-15:45	Invited Speaker: Prof. Zdenek Sofer University of Chemistry and Technology of Prague, Czech Republic. <i>2D Materials in Electrocatalysis and Photo-Electrocatalysis</i>
15:45-16:00	Closing Session Chair: Prof. Reshef Tenne
	Poster Prize Awards Conference Closing

