





## Afternoon Parallel Sessions – May 17th

	Life Sciences	Materials Science
Hall name	Hall A	Hall B
Session chair	Einat Zeligler, Hebrew University	Sergei Remennik, Hebrew University
14:00 - 14:25	<p><b>Invited</b></p> <p>Leeat Keren, Weizmann Institute of Science, Israel</p> <p><b>LOVE THY NEIGHBOR – IDENTIFYING STRUCTURE IN THE TUMOR MICROENVIRONMENT BY MULTIPLEXED IMAGING</b></p>	<p><b>Invited</b></p> <p>Benjamin J. McMoran, University of Oregon, USA</p> <p><b>INTERACTION-FREE MEASUREMENTS AND INELASTIC COHERENCE WITH ELECTRON INTERFEROMETRY</b></p>
14:25 – 14:40	<p><b>Mutsaers</b></p> <p>Orl Brookstein, Weizmann Institute of Science, Israel</p> <p><b>EVOLUTIONARY ORIGIN OF SILK MATERIAL HIERARCHY</b></p>	<p><b>Margulis</b></p> <p>Emanuel Avrahami, Weizmann Institute of Science, Israel</p> <p><b>REVEALING THE PRINCIPLES OF COMPLEX BIOGENIC CRYSTAL FORMATION WITH ELECTRON TOMOGRAPHY</b></p>
14:40 - 14:55	<p>Ron Orbach, Bar-Ilan University, Israel</p> <p><b>CILIA: NEW INSIGHTS INTO AN OLD ORGANELLE</b></p>	<p>Avi Auslender, Tel Aviv University, Israel</p> <p><b>MEAN INNER POTENTIAL OF CRYSTALS - AN ELECTRON HOLOGRAPHY AND AB INITIO STUDY</b></p>
14:55 - 15:10	<p>Ofir Sade, Tel Aviv University, Israel</p> <p><b>DETECTION OF ALPHA-SYNUCLEIN AGGREGATES IN SKIN BIOPSIES OF PARKINSON'S DISEASE PATIENTS USING SUPER RESOLUTION MICROSCOPY</b></p>	<p>M B Sreedhara, Weizmann Institute of Science, Israel</p> <p><b>ASYMMETRIC "MISFIT" NANOTUBES: CHEMICAL AFFINITY OUTWITS THE ENTROPY AT HIGH-TEMPERATURE SOLID STATE REACTIONS</b></p>
15:10 - 15:35	<p><b>Invited</b></p> <p>Alon Zaslaver, Hebrew University, Israel</p> <p><b>FUNCTIONAL IMAGING OF THE C. elegans NEURAL NETWORK REVEALS PRINCIPLES FOR CODING ASSOCIATIVE MEMORIES</b></p>	<p><b>Invited</b></p> <p>Charlotte Vogt, Technion - Israel Institute of Technology, Israel</p> <p><b>MICROSCOPY AND SPECTROSCOPY OF CATALYSTS AT WORK FOR THE ENERGY TRANSITION</b></p>

## Afternoon Parallel Sessions – May 17th – cont.

	Life Sciences	Materials Science
Hall name	Hall A	Hall B
Session chair	Elion Sherman, Hebrew University	Wayne D. Kaplan, Technion
16:00 - 16:25	<p><b>Invited</b></p> <p>Yuval Eberstein, Tel Aviv University, Israel</p> <p><b>MULTI-MODAL SINGLE-MOLECULE IMAGING WITH CONTINUOUSLY CONTROLLED SPECTRAL-RESOLUTION (CoCoS) MICROSCOPY</b></p>	<p><b>Invited</b></p> <p>Osip Schwartz, Weizmann Institute of Science, Israel</p> <p><b>LASER-ASSISTED ELECTRON MICROSCOPY: THE LASER PHASE PLATE AND BEYOND</b></p>
16:25 – 16:40	<p>Alon Saguy, Technion - Israel Institute of Technology, Israel</p> <p><b>AUTOMATED ANALYSIS OF FLUORESCENCE KINETICS IN SINGLE MOLECULE LOCALIZATION MICROSCOPY DATA REVEALS PROTEIN STOICHIOMETRY</b></p>	<p>Assaf Simion, Technion - Israel Institute of Technology, Israel</p> <p><b>ATOMIC LAYER DEPOSITION ENABLES MULTI-MODAL THREE-DIMENSIONAL ELECTRON MICROSCOPY OF ISOPOROUS MEMBRANES</b></p>
16:40 - 16:55	<p>Mayan Sadan, Ben Gurion University of the Negev, Israel</p> <p><b>NON-CANONICAL BINDING TO MICROTUBULES REGULATES THE IN VIVO AND IN VITRO FUNCTIONS OF A BI-DIRECTIONAL KINESIN-5 MOTOR</b></p>	<p>Shai Tsesses, Technion - Israel Institute of Technology, Israel</p> <p><b>FOCUSING SMITH PURCELL RADIATION WITH FREE-ELECTRON-EMBEDDED METALENSES</b></p>
16:55 - 17:10	<p>Hani Bahruun, Tel Aviv University, Israel</p> <p><b>FUNCTIONAL DECORATION OF BIOCOMPATIBLE VATERITE MESOPOROUS NANOPARTICLES FOR TARGETED DRUG DELIVERY : TAILORED PROPERTIES FOR IN-SITU THERANOSTICS</b></p>	<p>Yaniv Kurzman, Technion - Israel Institute of Technology, Israel</p> <p><b>IMAGING THE DYNAMICS OF OPTICAL VORTICES IN 2D MATERIALS</b></p>
17:10 - 17:35	<p><b>Invited</b></p> <p>Moran Dveta-Levitt, Bar-Ilan University, Israel</p> <p><b>THE USE OF HIGH CONTENT IMAGING TO ELUCIDATE RARE KIDNEY DISEASE ETIOLOGY AND PROMISING THERAPEUTICS</b></p>	<p><b>Invited</b></p> <p>Ofer Kfir, Tel Aviv University, Israel</p> <p><b>COUPLING OF ELECTRON BEAMS TO HIGH-Q OPTICAL CAVITIES AND THE PATH TOWARDS ELECTRON SPECTROSCOPY WITH MICRO-EV PRECISION</b></p>