## THURSDAY, MARCH 15, 2018

14:00-16:00	Session V Chairperson: Meital Reches	
14:00-14:30	<b>Alexandra P. Marques</b> , Department of Polymer Engineering, University of Minho, PO Exploring Micron and Sub-Micron Features of Skin Tissue: Impact in (Patho)Physiology	
14:30-14:45	Ido Cooperstein, Chemistry Additive Manufacturing of Transparent Ceramics from Solutions	
14:45-15:00	<b>Maya Engel</b> , Agriculture Water Disinfection with Magnetic Carbon-Nanotubes	
15:00-15:15	<b>Tom Dvir</b> , Physics Spectroscopy of Bulk and Ultrathin NbSe2 with Van-der-Waals Tunnel Junctions	
15:15-15:30	<b>Demitry Farfurnik</b> , Applied Physics Spin Ensembles in Diamond for Sensing and Many-Body Physics	
15:30-15:45	<b>Avner Neubauer</b> , Applied Physics Towards to a Non-Binary Device Based on Hybrid Molecular-Nanocrystal Infrared Detector	
15:45-16:00	Prizes and Closing	
16:30	Departure	

The 2018 Annual Conference Scientific Committee:

Meital Reches, Ofra Benny, Ori Katz, Uriel Levy

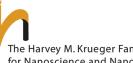
Office

Ms. Naama Nahmias administrative director

Ms. Sara Burstin Ms. Alexandra Banich

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Tel: 972-2-6586088 • 972-2-6584919 E-mail: huj-nano@savion.huji.ac.il



The Harvey M. Krueger Family Center for Nanoscience and Nanotechnology

האוניברסיטה העברית בירושלים THE HEBREW UNIVERSITY OF JERUSALEM





The Annual Conference of the Hebrew University's Center for Nanoscience and Nanotechnology

## 14-15.03.2018

-ROYAL HOTEL-The Dead Sea, Ein Bokek

## WEDNESDAY, MARCH 14, 2018

10:00-10:45	Arrival and Refreshments		
10:45-11:00	Opening and Greetings: Uriel Levy, Director of the Center		
11:00-12:30	Session I Chairperson: Uriel Levy		
11:00-12:00	<b>Dov Moran</b> , Grove Ventures 100 Doors: an Introduction to Entrepreneurship		
12:00-12:30	<b>Itamar Willner</b> , Chemistry Inorganic and Metal-Organic Framework Nanoparticles for Catalysis, Drug Delivery and Energy Conversion		
12:30-14:00	Lunch		
14:00-16:00	Poster session with a sweet surprise		
16:00-16:30	Room Key Distribution		
16:30-18:30	Session II Chairperson: Uri Banin		
16:30-17:00	<b>Uri Raviv</b> , Chemistry Dynamic Self-Assembly of Biomolecules		
17:00-17:45	<b>Simon Benita</b> , Pharmacy <b>Geoffrey Vince, Robin Crotty</b> , Cleveland clinic The Center for Transformative Nanomedicine: A Collaboration Between Cleveland Clinic and Hebrew University		
17:45-18:00	<b>Ji Botao</b> , Chemistry Heavy-Metal Free Fluorescent ZnTe/ZnSe Nano-Dumbbells		
18:00-18:30	<b>Dan Oron</b> , Weizmann Institute, IL The (Nano) Optics of Life		
18:30-20:00	Dinner		
20:00-22:00	Drunken Discussions and Nano Art by the Pool		

## THURSDAY, MARCH 15, 2018

7:00-9:00	Breakfast		
9:00-10:45	Parallel session III		
	Chairperson: Danny Mandler	Chairperson: Oded Shoseyov	
9:00-9:30	<b>Ori Gidron,</b> Chemistry Furan-Containing Materials for Organic Electronics	<b>Rivka Elbaum,</b> Agriculture A Mechanism Controlling the Polymerization of Silica in Plants	
9:30-10:00	Shlomo Yitzchaik, Chemistry Conformationally Adaptive Biosensors	<b>Ofra Benny,</b> Pharmacy Rational Design of Nanoparticles for Cancer Treatment	
10:00-10:30	<b>Daniel Harries,</b> Chemistry Taking Asmolytes to Heart: How TMAO Changes Lipid Interaction and what this has to do with Cardiovascular Disease	<b>Ido Braslavsky,</b> Agriculture Ice-Binding Proteins and their Interaction with Ice Crystals	
10:30-10:45	<b>Roman Zhuravel,</b> Chemistry Electrical Transport Measurements through Single DNA Molecules	<b>Sigalit Aharon,</b> Chemistry The Effect of the Alkylammonium Cation on the Optical and Physical Properties of Organic-Inorganic Perovskite Nanoparticles	
10:45-11:15	Coffee Break		
11:15-12:45	Parallel session IV		
	Chairperson: Hadar Steinberg	Chairperson: Ofra Benny	
11:15-11:45	<b>Eran Sharon,</b> Physics Shape Transitions and Fluctuations of Helical Ribbons – from Cold Seed Pods to Thermal Chiral Macromolecules	Borja Sepúlveda, Catalan Institute of Nanoscience and Nanotechnology, SP Magnetically Enhanced and Controlled Photo-Thermal Therapies	
11:45-12:15	<b>Eilon Sherman,</b> Physics Resolving Mechanisms of Protein Dynamics and Organization at the Cell Membrane in Single Molecule Detail	<b>Avi Domb,</b> Pharmacy Nano-Formulations for Improved Drug Therapy	
12:15-12:30	<b>Hamza Abudayyeh,</b> Physics Purification of Single Photons by Temporal Heralding of Quantum Dot Sources	<b>Itamar Shabtai,</b> Agriculture Polycyclodextrin-Clay Composites: Regenerable Dual-Site Sorbents for Bisphenol A Removal from Treated Wastewater	
12:30-12:45	<b>Uri Weiss,</b> Applied Physics <i>Two Photon Lens-Less Micro-Endoscope,</i> <i>using Wave-Front Shaping</i>	<b>Sivan Nir – Luz,</b> Chemistry Synergetic Antifouling and Antimicrobial Activity by Self-Assembled Adhesive Peptide Particles	

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