SCHEDULE 2023

Tuesday, August 1st

08:00	Registration + Light breakfast	
09:00	Opening remarks	
09:15	Opening lecture – Dr. Valeri Frumkin (MIT)	
07.10	Applications of interfacial phenomena: from space	
	telescopes to quantum simulations	
	released pear to quantum simulations	
Session I: Enviro	nmental	
10:00		
10:00	Emily Hanhauser (MIT)	
	Creating Monitoring Paradigms and Sensors for	
	Decentralized Settings: From Water Quality	
10.00	Monitoring to Clinical Diagnostics	
10:30	Yifan Li (Technion) Phase Separation of Oil-in-Water Emulsion with	
10.45	Surface Acoustic Wave	
10:45	Yuejun Yu (Technion)	
	Developing and study of an automatic on-line	
	micro-biotoxicity sensing and control unit for	
	wastewater treatment, based on a cell viability	
	monitoring assay	
11:00	Coffee break	
11:30	Flash talk – session I	
Session II: Polyr	ners	
12:00	Cornelia Meissner (University of Massachusetts	
	Amherst)	
	Mesoscale Polymer Ribbons as Hierarchically	
	Ordered Building Blocks	
12:30	Michal Levin (Technion)	
	Measuring swelling induced stress of gels under	
	constraints using 3D printing	
12:45	Or Peleg Evron (Technion)	
12.75	Crosslinking konjac-glucomannan with kappa-	
	carrageenan nanogels: A step toward the design of	
	sacrificial materials	
	Tacimolal Marchaio	
13:00	Lunch	
10.00	Lonen	
13:30	Poster viewing - session I	
13:30	roster viewing - session i	
Session III: Electrochemistry		
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14:30	Melissa Bodine (Argonne National Laboratory)	
	Development and Characterization of Electrodes	
	with Atomic Layer Deposition for Two-Dimensional	
	Infrared Spectroelectrochemistry	
15:00	Rinat Attias (Technion)	
	Evaluation of Electro-catalysts Reaction Kinetics for	
	OER by Relaxation Phenomena Analysis	
15:15	Noam Zyser (Technion)	
	Linking Rational Activity and Stability Design in	
	Catalytic Electrooxidation over Nickel	
15:30	Coffee break	
Session IV: Nano-materials		
16:00	Yael Hershkovitz Pollak (Technion)	
	Volatile Markers as Intercellular Communication	
	Agents of Apoptosis	
16:15	David Attia (BGU)	
	Chiral Interactions and Assembly of Cellulose	

Chiral Interactions and Assembly of Cellulose Nanocrystals Mesophases

Close-spaced sublimation of (Bi_xSb_{1-x})2Se₃ thin films for short-wavelength infrared

Wednesday, August 2nd

08:00	Registration + Light breakfast	
Session V: M		
09:00	Matthew S. Johnson (Sandia National	
	Laboratories) Pynta: A software for automatic calculation of	
	microkinetic rate coefficients on metallic surfaces	
09:30	Calvin Pieters (Technion)	
07.00	Automated rate calculator (ARC): A tool for	
	automated ab-inito kinetics computations	
09:45	Roy Almog (BGU)	
	The effect of accelerated flow on the resuspension	
	of small particles	
	ustainable energy	
10:00	Neetu Rani (DTU) Microscale mapping of thermal diffusivity in	
	thermoelectric materials using a micro four-point	
	probe	
10:30	Sapir Willdorf Cohen (Technion)	
	Ionomer Stability Studies for Anion-Exchange	
	Membrane Fuel Cells	
10:45	Yaniv Farkash (Technion)	
	Nanofiber Electrodes for Efficient Decoupled	
	Hydrogen Generation by the E-TAC process	
11:00	Coffee break	
11.00	Const Break	
11:30	Flash talk – session II	
Session VII: B	iomed	
12:00	Timothy Little (North Carolina at Chapel Hill)	
	Simultaneous dual epitope blocking CCR2	
	antibody to induce synergistic macrophage	
10.20	polarization	
12:30	Gal Chen (Technion) Developing Artificial Cell Micro-Factories as Next-	
	Generation Therapeutic Platforms	
12:45	Chen Benafsha (BGU)	
	Enhancing HNSCC therapeutic efficiency by	
	overcoming cetuximab resistance using modified	
	Q-Starch/siRNA particles decorated with	
	cetuximab as a targeting agent	
12.00	1 J.	
13:00	Lunch	
10.00	Darkan dan dan sanatan U	
13:30	Poster viewing - session II	
Session VIII: Catalysis		
session viil: (Alasia Simon (Hamand)	

Organizing committee:

End

Yaniv Dror (BGU)

Si Naftaly-Kiros Shoval Gilboa Nitai Arbell Kfir Kaplan

16:30

17:00



14:30

15:00

15:15

15:30

16:00

17:00

Sponsors:

Alexia Simon (Harvard)

Leo Giloni (Technion)

hybrid nanocomposit

Coffee break

End

Jonathan Prilusky (Ariel)

Prizes + closing remarks

Laboratory Investigation on Entrapment of Hyper-Volatiles in Interstellar and Cometary H2O and CO2 Ice Analogs: Importance on

Assessing acid–base cooperativity of layered oxides for biomass conversion

Enhanced photocatalytic activity of Cs4PbBr6/WS2



TECHNION Israel Institute of Technology



