

Monday, 22 February 2016			
Hall A			
09:00-09:20	Opening Remarks: Mr. Rafi Koriat, INNI, Israel Welcome and Greetings, honored by: Prof. Joseph Klafter, Tel Aviv University, Israel Mr. Avi Hasson, Ministry of Economy and Industry, Israel		
09:20-10:00	SCIENCE FICTION OR SCIENCE, COMPUTING EVOLUTION AND MOORE'S LAW <i>Mr. Mooly (Shmuel) Eden</i> Former Senior V.P at Intel Corporation and President of Intel, Israel		
10:00-10:40	SIZE, DIMENSIONALITY AND STRONG ELECTRON CORRELATION IN NANOSCIENCE <i>Prof. Louis Brus</i> Columbia University, USA		
10:40-11:10 Coffee Break and Visit to Exhibition			
Hall A			
Hall B			
Hall C			
11:10-13:00	Parallel Session 1 - Nano Medicine <i>Chair: Prof. Rimona Margalit</i> Tel Aviv University, Israel	Parallel Session 2 - Nano Energy <i>Chair: Prof Gideon Grader</i> Technion, Israel	Parallel Session 3 - Nano Innovation and Policy <i>Chair: Dr. Nili Mandelblit</i> ISERD, Israel
11:10-11:40	NOVEL CANCER MODELS-BASED IDENTIFICATION OF TARGETS FOR THE RATIONAL DESIGN OF PRECISION NANOMEDICINES <i>Prof. Ronit Satchi-Fainaro</i> Tel Aviv University, Israel	ALL-OXIDE PHOTOVOLTAICS: A COMBINATORIAL MATERIAL SCIENCE STUDY <i>Prof. Arie Zaban</i> Bar Ilan University, Israel	NANOTECHNOLOGY POLICY AND INNOVATION IN HORIZON 2020 <i>Mr. Jyrki Suominen</i> European Commission, Belgium
11:40-12:00	LIGAND-TARGETED POLYMER-DRUG CONJUGATES FOR INHIBITION OF PRIMARY AND METASTATIC TUMORS IN MICE <i>Dr. Ayelet David</i> Ben Gurion University, Israel	INTRODUCING CARBON-NANO TECHNOLOGY INTO AN ULTRA-ORTHODOX INDUSTRY: THE LEAD ACID BATTERY CASE STUDY <i>Mr. Ziv Gottesfeld</i> VoltaNano, Israel	SMART CERAMIC MATERIALS FOR ENERGY AND ENVIRONMENTAL TECHNOLOGY <i>Prof. Alexander Michaelis</i> Fraunhofer IKTS, Germany
12:00-12:20	GAGOMERS, TUMOR-TARGETED NANOPARTICLES; DELIVERING ON A PROMISE OF BETTER CANCER THERAPIES <i>Dr. David Altreuter</i> Quiet Therapeutics Inc., Israel-USA	HONEYCOMB 3D-MICROBATTERIES <i>Prof. Diana Golodnitsky</i> Honeycomb Batteries, Israel	NOVEL OPPORTUNITIES FOR PHOTONICS BASED ON SEMICONDUCTOR NANOSTRUCTURES AND QUANTUM EFFECTS <i>Prof. Jean-Michel Gerard</i> CEA, France
12:20-12:40	A BRIDGE TO SILENCING: CO-ASSEMBLING ANIONIC NANOPARTICLES OF SIRNA AND HYALURONAN SULFATE VIA CALCIUM BRIDGES <i>Prof. Smadar Cohen</i> Ben Gurion University, Israel	POWERING WIRELESS ELECTRONICS WITH DYE <i>Mr. Barry Breen</i> 3GSolar Photovoltaics Ltd, Israel	NANOTECHNOLOGY AT THE NATIONAL RESEARCH COUNCIL OF ITALY <i>Prof. Corrado Spinella</i> CNR, Italy
12:40-13:00	TARGETING THE SWEET SIDE OF CANCER WITH GLYCO-NANOPARTICLE <i>Dr. Vered Karavani</i> Tel Aviv University, Israel	DESIGN OF NANOSTRUCTURES FOR ENERGY AND ENVIRONMENTAL APPLICATIONS <i>Prof. Ashok Kumar Ganguli</i> Institute of Nano Science and Technology, India	MULTI-TECHNOLOGY ADDITIVE MANUFACTURING FOR 3D STRUCTURAL ELECTRONICS <i>Dr. Erwin Meinders</i> TNO, The Netherlands
13:00-14:20 Lunch Break and Visit to Exhibition			
14:20-15:40 Poster Session 1 (Poster Hall)			
Hall A			
Hall B			
Hall C			
15:40-17:10	Parallel Session 4 - Nano Physics <i>Chair: Prof. Uri Sivan</i> Technion, Israel	Parallel Session 5 - Nano Material Synthesis and Characterization <i>Chair: Prof. Yuval Golan</i> Ben Gurion University, Israel	Parallel Session 6 - International Nano Cooperation <i>Chair: Mr. Dan Vilenski</i> INNI, Israel
15:40-16:10	MULTIEX CITON GENERATION AT THE NANOSCALE <i>Prof. Eran Rabani</i> University of California,USA	SURFACE COMPOSITIONS, STRUCTURES, AND PROPERTIES OF SURFACTANT-DIRECTED NANOSCALE SEMICONDUCTORS <i>Prof. Bradley F.Chmelka</i> University of CA Santa Barbara, USA	A MACRO VIEW ON NANO <i>Prof. Eugene Kandel</i> Start-up Nation Central (SNC), Israel
16:10-16:30	RECENT ADVANCES IN BORON NITRIDE NANOTUBES: MANUFACTURING, CHEMISTRY, COMPOSITES AND APPLICATIONS <i>Dr. Benoit Simard</i> National Research Council, Canada	LESSONS LEARNED FROM CARBON NANOTUBE GROWTH CAN BE APPLIED TO GRAPHENE: 100% REPRODUCIBILITY AND IMPROVED GRAPHENE QUALITY BY PREHEATING PRECURSOR GASES USING	MATERIALS INNOVATION AT MERCK: NAVIGATING THE HYPE CYCLE <i>Dr. Brian Daniels</i> Merck KGaA, Germany

		THERMAL CHEMICAL VAPOR DEPOSITION <i>Dr. Gilbert Daniel Nessim</i> Bar Ilan University, Israel	
16:30-16:50	ELECTRONIC PROPERTIES OF CU-CHALCOGENIDES BASED SYSTEMS: FROM NANOCRYSTALS TO THIN-FILM SOLAR CELLS <i>Prof. Oded Millo</i> The Hebrew University of Jerusalem, Israel	HIERARCHICALLY-ORDERED NANOPARTICLE/BLOCK COPOLYMER FILMS: INCREASING OUR CONTROL OVER MORPHOLOGICAL PARAMETERS <i>Prof. Roy Shenhar</i> The Hebrew University of Jerusalem, Israel	NETHERLANDS NANO INITIATIVE: STRATEGIC RESEARCH AGENDA TOWARDS APPLICATIONS <i>Prof. D.H.A. Blank</i> NanoNetNL, The Netherlands
16:50-17:10	QUANTUM MATERIAL FOR WIDE COLOR-GAMUT DISPLAY <i>Mr. Shlomo Amir</i> QlightNanotech Ltd, Israel	PROGRAMMABLE ON-CHIP DNA COMPARTMENTS AS 'ARTIFICIAL CELLS' <i>Prof. Roy Bar Ziv</i> Weizmann Institute of Science, Israel	NANOMATERIALS DEVELOPMENT AND COMMERCIALIZATION AT 3M <i>Dr. Michal Vakrat Wolkin</i> 3M, Israel
17:10-17:30	Coffee Break and Visit to Exhibition		
	Hall A		
17:30-18:10	Plenary Session 2 LIPID NANOPARTICLE SYSTEMS FOR IN VIVO DELIVERY OF SIRNA AND MRNA <i>Prof. Pieter R Cullis</i> University of British Columbia, Canada		

Tuesday, 23 February 2016

	Plenary Session 3 - Hall A			
09:00-09:40	CHEMICAL ROUTES TO NANOGRAPHENES <i>Prof. Klaus Müllen</i> Max Planck Institute, Germany			
09:40-10:20	NANO BIO MIMETICS: MATERIALS FOR THE FUTURE <i>Prof. Oded Shoseyov</i> The Hebrew University of Jerusalem, Israel			
10:20-10:50	Coffee Break and Visit to Exhibition			
	Hall A	Hall B	Hall C	
10:50-12:50	Parallel Session 7 - Bio Materials <i>Chair: Prof. Reshef Tenne,</i> Weizmann Institute of Science, Israel	Parallel Session 8 - Nano Photonics <i>Chair: Dr. Moshe Oron</i> Kilolambda Technologies Ltd, Israel	Parallel Session 9 - Nano Defense <i>Chair: Mr. Ophir Shoham</i> MAFAT , Israel	
10:50-11:20	NANOSCIENCE AND HUMAN DISEASE <i>Prof. Mark Welland</i> University of Cambridge, England	LIGHT MANIPULATION IN BIOLOGICAL SYSTEMS AT THE MICRO- AND NANOSCALE <i>Prof. Dan Oron</i> Weizmann Institute of Science, Israel	NANO TECHNOLOGY IN DEFENSE IN ISRAEL <i>Dr. Amir Uziel & Dr. Ehud Galun</i> IMOD, MAFAT, Israel	
11:20-11:50	AN ELECTRON MICROSCOPY VIEW OF NANOSTRUCTURE FORMATION BY SELF-AGGREGATION <i>Prof. Yeshayahu Talmon</i> Technion, Israel	NEW ASPECTS OF THE THERMAL NONLINEARITY OF METALS <i>Dr. Yonatan Sivan</i> Ben Gurion University, Israel	CURRENT RESEARCH AT THE NAVAL RESEARCH LABORATORY NANOSCIENCE INSTITUTE <i>Dr. Igor Medintz</i> NRL Nano Institute, USA	
11:50-12:10	HOW DO PEPTIDES SENSE A SURFACE: FUNDAMENTALS AND APPLICATIONS <i>Dr. Meital Reches</i> The Hebrew University of Jerusalem, Israel	MANIPULATION OF HARMONICS AND HYBRID LIGHT-MATTER STATES WITH OPTICAL METASURFACES <i>Dr. Tal Ellenbogen</i> Tel Aviv University, Israel	SELECTED ACTIVITIES OF WIWEB IN THE FIELD OF NANOTECHNOLOGY <i>Dr. Ines Schneider</i> German Defense Office, Germany	
12:10-12:30	BIO-INSPIRED CRYSTAL GROWTH: FROM BAND GAP ENGINEERING TO SINGLE CRYSTALLINE NANO-POROUS GOLD <i>Prof. Boaz Pokroy</i> Technion, Israel	SEEING THROUGH THE FOG: LOOKING INTO OPAQUE SAMPLES AND AROUND CORNERS WITH SCATTERED LIGHT <i>Dr. Ori Katz</i> The Hebrew University of Jerusalem, Israel	OPPORTUNITIES IN NANOSTRUCTURES AND NANOMATERIALS FOR DEFENSE APPLICATIONS <i>Mr. Bruno Mortaigne</i> The French Defence (DGA), France	
12:30-12:50	NANO CRYSTALLINE CELLULOSE (NCC), BIO-BUILDING BLOCKS FOR TOMORROW'S MATERIALS <i>Dr. Shaul Lapidot</i> Melodea, Israel	NANO-THERANOSTICS WITH PLASMONIC NANOPARTICLES: GOD EXISTS IN THE SMALL DETAILS <i>Dr. Dror Fixler</i> Bar Ilan University, Israel	NANOTECHNOLOGY FOR THE DEFENSE SECTOR IN CANADA <i>Dr. Marie D'Iorio</i> National Institute for Nanotechnology (NINT), Canada	
12:50-14:10	Lunch Break and Visit to Exhibition			
14:10-15:30	Poster Session 2 (Poster Hall)			
	Hall A	Hall B	Hall C	Hall D
15:30-17:30	Parallel Session 10 - Nano Electronics <i>Chair: Prof. Yuval Garini</i> Bar Ilan University, Israel	Parallel Session 11 - Nano Mechanics <i>Chair: Prof. Dov Sherman</i> Tel-Aviv University, Israel	Parallel Session 12 - Nano Sensors <i>Chair: Prof. Uriel Levy</i>	Parallel Session 13 - Nano Education

			The Hebrew University of Jerusalem, Israel		Chair: Mr. Haim Rouso Elbit, Israel
15:30-16:00	THE "INSTABILITY" OF ORGANIC SOLAR CELLS – TURNING DISADVANTAGES INTO ADVANTAGES Prof. Gitti Frey Technion, Israel	TOWARDS QUANTUM NANOMECHANICS Prof. Ron Lifshitz Tel Aviv University, Israel	NANO-TO-KILO DEVICE FIBERS Prof. Yoel Fink MIT, USA	16:00-16:10	School Project 1
16:00-16:20	NANOSTRUCTURED PHOTOVOLTAIC DEVICES VIA WET PROCESSING OF ORGANIC AND INORGANIC MATERIALS Dr. Iris Visoly Fisher Ben Gurion University, Israel	CAN INORGANIC NANOTUBES REPLACE CARBON NANOTUBES IN POLYMER NANOCOMPOSITES? Prof. Samuel Kenig Shenkar College of Engineering and Design, Israel	CMOS COMPATIBLE GAS SENSOR BASED ON ELECTROSTATICALLY FORMED NANOWIRES Prof. Yossi Rosenwaks Tel Aviv University/Tower, Israel	16:10-16:30	MASSIVE OPEN ONLINE COURSE IN NANOTECHNOLOGY AND NANOSENSORS: PROMOTING INNOVATIVE THINKING AND MOTIVATION TO LEARN AMONG INTERNATIONAL LEARNING TEAMS Prof. Hossam Haick Technion, Israel
16:20-16:40	WHAT LIMITS THE CONDUCTION OF METAL-MOLECULE JUNCTIONS? Dr. Oren Tal Weizmann Institute of Science, Israel	NANOAIR - PAPER THIN ACTIVE COOLING SOLUTIONS FOR CHIPS AND ELECTRONIC DEVICES Dr. Ziv Hermon Nano Air, Israel	DETECTION AND IDENTIFICATION OF EXPLOSIVES USING LARGE-SCALE ARRAYS OF CHEMICALLY-MODIFIED ELECTRICAL NANO-SENSORS Mr. Noam Noy Tracense Systems Ltd, Israel	16:30-16:40	School Project 2
16:40-17:00	2D LAYERED MATERIALS FOR NANO-ELECTRONICS Dr. Doron Naveh Bar Ilan University, Israel	3D PRINTING OF DISSIMILAR MATERIAL STRUCTURES Prof. Marcelo Dapino The Ohio State University, USA	NEW SENSORS APPROACH BASED ON ULTRA-LONG CNTS FIBERS & MATS Dr. Shuki Yeshurun Tortech Nano Fibers Ltd, Israel	16:40-17:00	PARTICIPATION OF HIGH SCHOOL STUDENTS IN SCIENTIFIC CONFERENCES: THE CASE STUDY OF NANOISRAEL 2014 Dr. Ron Blonder Weizmann Institute of Science, Israel
17:00-17:20	TOWARDS NEW GENERATION NON-VOLATILE MEMORY CELLS Prof. Ilan Goldfarb Tel Aviv University, Israel	NANOSPUN BIO-FIBROUS STRUCTURE FOR IMPROVED BIOLOGICAL PROCESSES Dr. Yael Dror NanoSpun Technologies, Israel	CHALLENGES IN THE DEVELOPMENT OF NANOMEDICINES: RELEVANCE TO FUTURX, THE ISRAELI BIOTECHNOLOGY INCUBATOR Dr. Einat Zisman FutuRx Incubator, Israel	17:00-17:10	School Project 3
				17:10-17:30	EDU-NANO: AN INTERNATIONAL PARTNERSHIP FOR NANOSCIENCE E-LEARNING Dr. Efrat Bodner Bar Ilan University, Israel
17:20-17:40	Coffee Break and Visit to Exhibition				
17:40-18:10	Awarding of The Tenne Family Prize to Prof. Taleb Mokari Best Poster Award Nano Art Award Company / Innovation of the year Award Plenary Session 4 - Hall A				
18:10-18:50	NANO-VISUALIZATION OF BIOMOLECULES IN DYNAMIC ACTION BY HIGH-SPEED ATOMIC FORCE MICROSCOPY Prof. Toshio Ando Kanazawa University, Japan				
18:50-19:00	Closing Remarks				