	01.06.2016 Wednesday
08:30-09:00	Opening Remarks
Session I	
09:00-09:30	**Immanuel Bloch,** Max Planck Institute "Probing and Controlling Quantum Matter at the Single Atom Level"
09:35-10:05	**Moty Heiblum,** Weizmann Institute "Edge transport in the quantum Hall regime"
10:10-10:40	**Stephen Forrest,** University of Michigan "Energy and Charge Transport Across Organic-Inorganic Semiconductor Junctions"
10:40-10:55	**Coffee Break**
Session II	
11:00-11:30	**Anton Zeilinger,** University of Vienna "Entangled Photons: from Bell Tests to Applications"
11:35-12:05	**Tal Mor,** Technion "Quantum computers - is the future here?"
12:10-12:40	**Jun Ye,** University of Colorado "Quantum matter for metrology and many-body physics"
12:40-13:40	**Lunch**
13:45-15:45	7 lectures- PhD Students
15:45-16:00	**Coffee Break**
Session III	
16:05-16:35	**Uri Sivan,** Technion "The elusive hydrophobic interaction"
16:40-17:10	**Aephraim Steinberg,** University of Toronto "How to count one photon and get a(n average) result of 8: progress in quantum nonlinear optics and weak-value amplification"
17:15-17:45	**Yoav Sagi,** Technion "Exploring new states of matter with an ultracold Fermi gas"

	02.06.2016 Thursday
Session I	
09:00-09:30	**Laurens Molenkamp,** University of Würzburg “Topological Superconductivity in HgTe-based Devices”
09:35-10:05	**Netanel Lindner,** Technion "Topological pumping in far-from-equilibrium periodically driven systems"
10:10-10:40	**Yaron Silberberg,** Weizmann Institute "Quantum Walks in Photonic Lattices"
10:45-11:15	**Nimrod Moiseyev,** Technion "Interatomic Coulombic Decay (ICD) in two coupled quantum wells – from first principles to possible applications"
11:15-11:30	**Coffee Break**
Session II	
11:35-12:05	**Thomas Ebbesen,** University of Strasbourg "Hybrid Light-Matter States- Implications for Molecular and Material Science"
12:10-12:40	**Emil Polturak,** Technion “Solid He: a quantum solid that flows”
12:45-13:15	**Raymond Laflamme,** University of Waterloo "Experimental Quantum Error Correction"
13:15-14:15	**Lunch**
Session III	
14:20-14:50	**Edo Waks,**University of Maryland "Quantum nanophotonics: coupling single spins to photons on a chip"
14:55-15:25	**David Gershoni,** Technion "On Demand Generation of Long Strings and Cluster States of Polarization-Entangled Photons"
15:30-16:00	**Duncan Steel,** University of Michigan "Coherent optical control and spectroscopy of the electronic and nuclear states in single and coupled quantum dots"
16:05-16:35	**Alex Hayat,** Technion "Quantum devices with novel states of matter"
16:35	Concluding Remarks