



Fritz Haber Center Beirat Meeting 2018

Venue: Lecture Hall of the Los Angeles Building

Monday, 17th December

8:45 – 9:15	Welcome – Shlomo Magdassi , Gerard Meijer and Roi Baer
9:15 – 9:35	Eli Kraiser - Properties of the exact Kohn-Sham potential in density functional theory (DFT) and the relationship between them
9:35 – 9:55	Christoph Allolio (Harries group) - The role of curvature elasticity in membrane fusion, cell penetration and endosomal escape
9:55 – 10:15	Dorit Shemesh (Gerber group) - Atmospheric Photochemistry
10:15 – 10:30	Coffee Break
10:30 – 10:50	Raam Uzdin - High resolution thermodynamics in quantum microscopic setups
10:50 – 11:10	Ronnie Kosloff - Coherent Control of Binary Reactions The Photoassociation Route
11:10 – 11:30	Avinoam Ben Shaul - RNA vs. Ideal Randomly Branched Polymer & Prüfer Shuffle
11:30 – 12:10	Daniel Neuhauser - Correlated electronic structure beyond 10,000 electrons: StochasticGW
12:10 – 14:45	Lunch – Café Haivrit
14:45 – 15:05	Snir Gazit - "Orthogonal fermions" – deconfined criticality and violation of Luttinger's sum rule
15:05 – 15:25	Tamir Dingjan (Niv group) - Finding new ligands for taste receptors using homology models
15:25 – 15:45	Marcel Fabian (Baer group) - Stochastic Basis Set Approach to Density Functional Theory
15:45 – 16:05	Igor Schapiro - Red-Green Spectral Tuning in the Cyanobacteriochrome Slr1393g3
16:05 – 16:20	Coffee Break
16:20 – 17:00	Anthony Travis - Fritz Haber and the Pursuit of Nitrogen
17:15 – 19:15	Poster Session

Tuesday, 18th December

9:00 – 9:40	Liraz Chai - Bacterial extracellular networks. From structure to interactions
9:40 – 10:00	Raphael D. Levine - Ultradense, Multivalued, Parallel & Finite State Logic on Quantum Devices
10:00 – 10:20	Hardy Gross - Nonadiabatic Dynamics with Coupled Trajectories: A Rigorous Approach to Quantum (De)Coherence
10:20 – 10:35	Coffee Break
10:35 – 10:55	Assaf Zemel - Elastic interactions of cells
10:55 – 11:15	Nagaprasad Samala (Agmon group) - The existence of small water clusters under atmospheric condition
11:15 – 11:35	Tamar Stein - Exploring molecular formation and growth upon ionization of van der Waals clusters using ab-initio molecular dynamics
12:00 – 13:30	Lunch (Sandwiches)
13:00 – 15:00	Beirat Meeting