

TECHNION QUANTUM RETREAT DAY 30.12.2021
08:30 - 09:15 GATHERING AND BREAKFAST

09:20 - 09:25	Opening Remarks	Prof. Yosi Avron, Director, Helen Diller Quantum Center
09:30 - 09:40	Yotam Lifshitz (Itai Arad, Physics)	Practical Quantum State Tomography for Gibbs States
09:45 - 09:55	Gefen Baranes (Ido Kaminer, EE)	Creation of Photonic Cat and GKP States Using Modulated Electrons
10:00 - 10:10	Alex Dikopoltsev (Moti Segev, Physics)	Topological Insulator Lasers
10:15 - 10:25	Orr Be'er (Yehonadav Bekenstein, Materials)	Correlated Emission in Self Assembled CsPbBr ₃ Perovskite Superlattices
10:30 - 10:40	Banoj Kumar Nayak (Eyal Buks, EE)	Interaction of microwave coupled Ferrimagnetic sphere with laser
10:45 - 11:05	Anna Keselman	Emergent phenomena in quantum systems: frustrated magnets and fractionalized excitations

11:05 - 12:15 COFFEE BREAK & POSTER SESSION

12:20 - 12:30	Gal Ness (Yoav Sagi, Physics)	Revealing the Quantum Speed Limits Crossover
12:35 - 12:45	Sutapa Ghosh (Gadi Eisenstein, EE)	New generation of Opto-atomic clock based on coherent population trapping and dual comb spectroscopy
12:50 - 13:00	Asaf Diringer (Shay Hacoheh-gourgy, Physics)	Fast cavity-qubit operation times with antisymmetric pulses for bosonic codes
13:05 - 13:25	David Gelbwaser	Application of quantum thermodynamics and open quantum systems for quantum technologies
13:30 - 13:50	Moshe Shuker (Rafael)	Quantum Technologies - Lab to Product
13:50 - 13:55	Closure and best poster winners announcement	

13:55 - 16:20 LUNCH & EXCURSION