QERNEL general Meeting Agenda

08:30–09:00   Coffee, Pastries & Registration

Time	Speaker	Affiliation	Presentation Title
09:00–09:05	Prof. Emanuele Dalla Torre	Bar-Ilan University	Opening Remarks

Time	Speaker	Affiliation	Presentation Title
09:05–09:25	Prof. Steven Frankel	Technion	The Spectrum of Quantum PDE Solvers: From NISQ to Fault Tolerant
09:25-09:45	Nitay Hurvitz	Tel Aviv University	Thr arrow of time as an order parameter for measurement induced phase transitions
09:45-10:05	Homer Levy	Tel Aviv University	Krylov dimension and Quantum chaos
10:05-10:25	Shaked Levy	Weizmann Institute	Quantum entangled phases of the globally-interacting Ising model
10:25-10:45	Nikita Leppenen	Weizmann Institute	Making sense of collective radiation: classical and quantum simulation approaches
10:45-11:15		**Break**	
11:45-11:35	Prof. Lev Vaidman	Tel Aviv University	Nonlocal measurements
11:35-11:55	Dr. Raghvendra Singh	Ariel University	Gravity-Induced Decoherence: Concepts and Applications
11:55-12:15	Yoav Shimshi	Weizmann Institute	Critical quantum metrology beyond adiabaticity in collectively pumped superradiance
12:15-12:35	Amit Te'eni	Bar-Ilan University	One-query quantum algorithms for the index-q hidden subgroup problem
12:35-13:50		**Lunch Break**	
13:50-14:10	Yuval Idan	Bar-Ilan University	Quantum circuit cutting and graph theory
14:10-14:30	Ohad Lev	Bar-Ilan University	Spectral Graph Analysis with Quantum Computation
14:30-14:50	Michael Korenberg	Technion	Quantum Action-Dependent Channels
14:50-15:10	Oz Arie	Bar-Ilan University	quantum-classical cross entropy benchmarking as a path around the postselectrion problem in the MPT — application to real NISQ devices
15:10-15:30		**Coffee Break**	
15:30-15:50	Dr. Omrie Ovdat	IQCC	Introduction to the Israeli Quantum Center
15:50-16:10	Dr. David Dentelski	Quantum Source	Scalable and Efficient Quantum Computing with Hybrid Hardware
16:10-16:30	Dr. Matan Ben Dov	Qedma	Reliable, Accurate Error Mitigation for Large-Scale Quantum Circuits
16:30-16:40	**Closing Remarks**		
16:40-17:00		**Short Break**	
17:00-18:00	**QERNEL PI meeting**	**Computing Time**	