



IAI – Quantum Technion  
Workshop  
14.03.2022  
Room 1003 ECE Technion

09:30-09:55		Gathering and refreshments
09:55-10:00	Gadi Eisenstein/Adam Shwartz	Opening Remarks
10:00-10:40	Israel Lupa	IAI Presentation on Technological challenges in the area of Quantum
10:45-11:00	Aharon Blank	Quantum system for generation, amplification and detection of microwave signals"
11:05-11:20	Eyal Buks	Optical interface for superconducting qubits
11:25-11:40	Yehonadav Bekenstein	New quantum dot material for on-chip single-photon integration
11:40-12:00		Coffee break
12:05-12:20	Netanel Lindner	Learning the dynamics of quantum devices
12:25-12:40	Jeff Steinhauer	Producing entangled pairs of photons using a quantum fluid of light
12:45-13:00	Yoav Sagi	Quantum computation and simulation with ultracold atoms
13:05-13:20	Tal Mor	Quantum Cryptography Algorithms and Complexity
13:25-13:40	Steve Frankel	Towards quantum computing for computational fluid dynamics.
13:45-14:00	Ido Kaminer	Ultrafast detectors, electron microscopes, x-ray sources, photonic quantum computing
14:05-14:20	Gadi Eisenstein	A new type of CPT opto-atomic clock
14:20-15:00		lunch
15:00-16:00	Visit 2 Labs	