

M.Sc. and Ph.D. positions available in quantum nano-optics

We are seeking motivated, excellent M.Sc. and Ph.D. students for a joint project of the Rapaport group (<http://www.phys.huji.ac.il/~ronenr/>) and the Bar-Gill group (<https://scholars.huji.ac.il/bargill>) from the Quantum Information center at the Hebrew University, focused on developing a new nano-optical method for readout of quantum states from a single NV center in diamond.

The successful candidates will lead the project, with the goal of designing and making a plasmonic-based device for optimizing the optical coupling and readout of NV centers, with enhanced quantum state readout contrast. Achieving this goal has profound implications in a wide range of NV-based applications, including quantum information processing and quantum networks, nanoscale magnetic resonance spectroscopy, and spintronics.



Interested applicants should contact us by e-mailing to:
ronenr@phys.huji.ac.il and bargill@phys.huji.ac.il