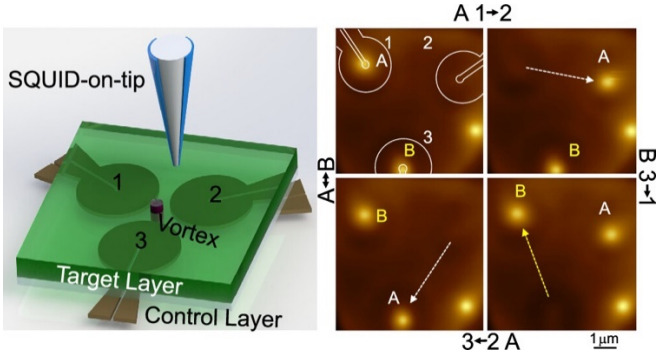
Post-doc position available: Develop the new vortex-electronics

PIs: Yonathan Anahory, Hadar Steinberg, Hebrew University, Jerusalem



In a recent breakthrough, our research groups have collaborated on a new type of device allowing for precise control of superconducting vortices. This result, now published here: https://pubs.acs.org/doi/10.1021/acs.nanolett.3c00324, shows the potential of precise vortex control to create sophisticated vortex-management protocols.

We offer a post-doctoral position for Azrieli fellows.

The position will be co-advised by both of us, at the Hebrew University in Jerusalem – aimed at developing this project. The project will involve device fabrication and transport measurements - managed by the Steinberg lab, and SQUID-on-Tip microscopy, managed by the Anahory lab.
Key questions which interest us are: Is vortex motion adiabatic? Could vortices be used as true quantum objects? Can we develop topological vortex control protocols?

We invite excellent Ph.D. graduates to apply for the Azrieli fellowship, call open until Sep. 1st 2023. Link to call:
https://azrielifoundation.org/the-azrieli-international-postdoctoral-fellowship-call-for-applications/?utm_source=judges&utm_medium=email&utm_campaign=postdoc2024&utm_id=postdoc2024

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