



TEL AVIV אוניברסיטת
UNIVERSITY תל אביב

Two PhD Positions in Theoretical/Computational Condensed Matter Physics in the Juraschek Lab at Tel Aviv University

The newly established Juraschek Laboratory for Dynamical Quantum Matter located at the School of Physics and Astronomy at Tel Aviv University has two openings for PhD students in nonlinear phononic control of quantum materials.

Project description

You will use a combination of first-principles computational methods and microscopic and phenomenological modeling to investigate how nonlinear vibrational excitation of bulk and low-dimensional quantum materials can change electronic properties, such as magnetism, ferroelectricity, and topology.

Candidate's profile

We are looking for highly motivated candidates of any nationality and gender with a background in physics, materials science, chemistry, or a related field. A background in condensed matter physics, materials physics, or physical chemistry is a bonus, as is (basic) prior programming knowledge.

Interested? Please send your CV, an outline of interests (max. 1 page), and contact details of 2-3 references directly to djuraschek@tauex.tau.ac.il

Further information about the group can be found at www.jurascheklab.com

Feel free to write about any questions you may have.

Review of applications will begin January 2022 and continue until the positions are filled. Starting dates are flexible throughout the year.

