



Department of
Physics
Faculty of Exact Sciences
Bar-Ilan University

tMQM

Winter School on Theoretical Methods in Quantum Matter

6-11.12.2026 | Bar-Ilan University

Recent advances in quantum matter have uncovered a wide range of exotic phenomena, including unconventional superconductivity, fractionalized excitations, nontrivial topology, and quantum geometry. Understanding these effects requires modern and powerful theoretical tools.

The **tMQM 2026 Winter School** is designed to provide a comprehensive introduction to advanced theoretical methods in quantum matter. The program will feature extended lecture courses by leading theoretical physicists, complemented by short lectures from experimental researchers, emphasizing the connection between theory and experiment.

Target audience:

Graduate students, postdoctoral researchers, and early-career scientists in condensed matter physics and related fields.

Invited Lecturers

- **Andrey Chubukov** (University of Minnesota)
- **Tobias Holder** (Tel Aviv University)
- **Natalia Perkins** (University of Minnesota)
- **Ady Stern** (Weizmann Institute of Science)

Additional Speakers

- Haim Beidenkopf (Weizmann Institute of Science)
- Yoram Dagan (Tel Aviv University)
- Beena Kalisky (Bar-Ilan University)
- Amit Kanigel (Technion)
- Eran Maniv (Ben Gurion University)
- Hadas Soifer (Tel Aviv University)
- Hadar Steinberg (Hebrew University of Jerusalem)

Register Here >>



- Online registration is required
- A letter of recommendation should be sent directly to: mqmws@biu.ac.il
- Registration fee: **150 USD** (upon acceptance)
- **Application deadline: August 1, 2026**

Organizers & Contact

- **Leah Kaiser** - mqmws@biu.ac.il
- **Avi Klein** (BIU) – avraham.klein@biu.ac.il
- **Iliya Esin** (BIU) – iliya.esin@biu.ac.il