

Alpe Adria Condensed Matter Theory Seminar Series

25. February 2025, TU Graz, Lecture hall P2

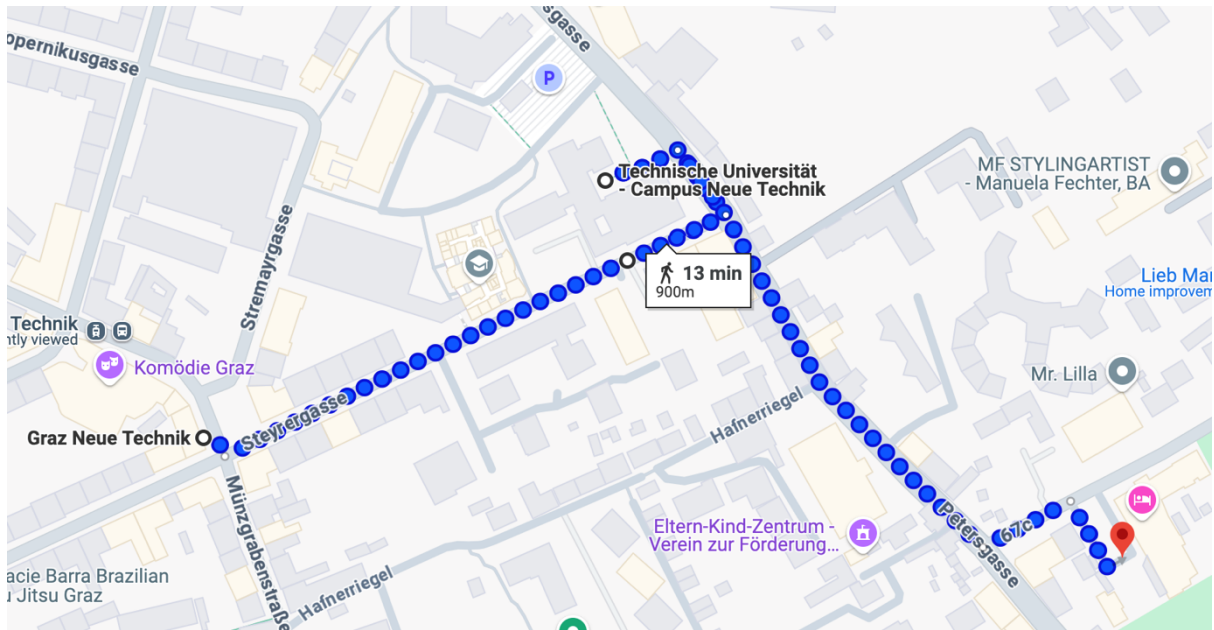
- 10:00: Welcome
- 10:15 – 11:00: *Christoph Heil* (TU Graz)
In silico design of novel conventional superconductors
- 11:00 – 11:25: *Klemen Kovač* (IJS Ljubljana)
Holstein-Hubbard model: Not done yet!
- 11:25 – 11:50: *Laura Torchia* (SISSA Trieste)
Superconductivity in a Hund correlated two-orbital attractive Hubbard model

Lunch Break and Discussions

- 14:00 – 14:25: *Viktor Eisler* (TU Graz)
Entanglement Hamiltonians in quantum many-body systems
- 14:25 – 14:50: *Gabriele Bellomia* (SISSA Trieste)
Intra-orbital mutual information as a simple clear-cut marker for strong electronic correlations
- 14:50 – 15:15: *Ivan Pasqua* (SISSA Trieste)
Landau's Fermi Liquids revisited: Hidden quasiparticles and Green's function zeros

Coffee break

- 16:00 – 16:25: *Jože Gašperlin* (IJS Ljubljana)
Charge Density Wave Stacking and Metastable Energy Landscapes in EuTe₄
- 16:25 – 16:50: *Erik Linner* (SISSA Trieste)
Incommensurate charge and spin ordering in the doped extended Hubbard model



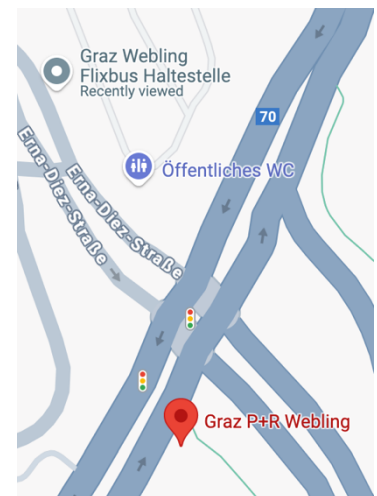
How to arrive here:

From the train station: Take tram number 6 direction St. Peter Schulzentrum and exit at stop ‘Neue Technik’, it is a 5-minutes walk from the stop to the institute.

From Webling (Flixbus): You need to go to the bus stop “P+R Webling” and take line 32 direction Jakominiplatz. At Jakominiplatz, you change to tram line 6, direction St. Peter Schulzentrum, and follow the map above. You can buy tickets on the bus (card only).

By car: Take the highway to exit “Graz Ost”, follow Münzgrabenstrasse straight to the campus. The parking lot is marked by P in the map. Entrance from Petersgasse between numbers 14 and 16.

Ibis Hotel: 5 minutes from the institute, see above map.



Dinner: 18:30 at Altsteirische Schmankerlstube

https://www.steirischeswirtshaus.at/betriebe/altsteir_schmankerlstube.html

Nice location downtown, easy to reach.