



Invitation to Seminar Talk

# An ultracold atom perspective on many-body quantum dynamics

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Understanding strongly interacting many-electron systems, and especially their dynamics, has been a long standing puzzle in the physics community. Recent progress in ultra-cold atom experiments has shed a new light on these problems. I will describe our work, which has been inspired by the ultra-cold atom experiments, on how to describe dynamics in the presence of strong interactions and its relevance to exotic solar cells, high temperature superconductors, itinerant ferromagnets, and superinsulators.

**Monday, February 4, 2013, 9.45 am**

**Seminar Room Mondi 2, Central building, 1st floor**



2013-02-04

This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage (note that the IST Shuttle times are highlighted in dark green):

[http://www.ist.ac.at/fileadmin/user\\_upload/pdfs/IST\\_shuttle\\_2011.pdf](http://www.ist.ac.at/fileadmin/user_upload/pdfs/IST_shuttle_2011.pdf).

The IST Shuttle bus is marked IST Shuttle (#242) and has the Institute Logo printed on the side.