



## Physical Sciences Seminar

# Spin-Orbit Entangled Quantum Materials: from Unusual Order to Liquid States

**George Jackeli**

Max Planck Institute for Solid State Research, Stuttgart

Host: Maksym Serbyn

I will theoretically explore how the relativistic spin-orbit coupling in quantum materials could give rise to the unusual ordered, amorphous or (quantum) liquid states of the spin-orbital and spin-lattice degrees of freedom. From this perspective, I will discuss correlated transition metal compounds and provide an overview of the available experimental results.

**Tuesday, February 27, 2024 11:00am - 12:00pm**

Heinzel Seminar Room



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.