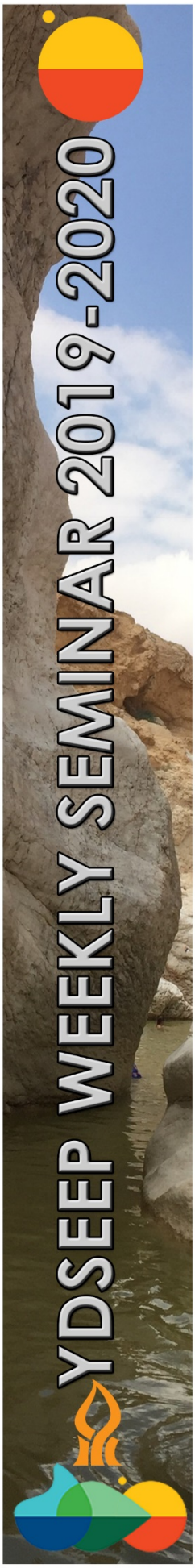


**Ben-Gurion University of the Negev**
**Blaustein Institutes for Desert Research**
The Swiss Institute for Dryland Environmental and Energy Research
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# The Ergodic Side of the Many-Body Localization Transition

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Abstract:

Generic interacting, disordered and isolated systems were shown to break ergodicity in a dynamical transition, called the many-body localization transition. In this talk I will discuss the static and dynamical properties of the ergodic phase, which turn out to be anomalous.

I will present a penomenological picture which was proposed to explain such properties and will provide evidence which suggest that this picture might not be complete. If times permit, I will discuss recent developments in many-body localization in systems without disorder.

Date & Location:

**Tuesday, December 28, 2021, 11:00**
Lecture Room – Physics building (entrance floor)