



# INVITATION

as part of the Mathematical Physics Theory Seminar

to the talk by

**Ingmar SABERI**  
(LMU Munich)

on

***“Local superconformal algebras”***

## **Abstract:**

I will describe some recent work that gives a geometric approach to constructing the conformal supergravity multiplet, in any dimension and with any amount of supersymmetry. The method produces the full gauge algebra, and may or may not produce an on-shell theory in the BV formalism, depending on the example in question. The approach is via the deformation theory of superconformal structures. I will try and give a friendly, conceptual overview of this perspective on superspace geometry, which draws on an analogy between superconformal structures and almost complex structures.

---

**Time: Tuesday, 10 December 2024, 2:00 p.m.**

**Location: Erwin-Schrödinger Lecture Hall, 1090 Vienna, Boltzmannngasse 5, 5<sup>th</sup> floor**