

Announcement

## Seminar on Deformation Quantization and Geometry

**12.06.2026 at 14:00 s.t.**

Seminarroom SE 31

FLORIAN DORSCH (GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN)

### Van Est differentiation of simplicial manifolds

The van Est map classically provides a bridge between Lie group and Lie algebra cohomology. In this talk, I will present a generalization of the van Est map to arbitrary simplicial manifolds. I will discuss the main properties of the resulting morphism and explain how it recovers classical van Est constructions. Time permitting, I will sketch the computation of the associated higher Lie brackets, describe an extension of the construction to differential forms, and illustrate the framework through the differentiation of simplicial Lie groups.

Invited by Madeleine Jotz