

Announcement

## Seminar on Deformation Quantization and Geometry

**24. 4. 2026 at 14:00 s.t.**

Seminarroom SE 31

FELICIA FERRAIOLI (UNI SALERNO)

### A Gentle Introduction to Algebraic Operads

This pedagogical seminar presents algebraic operads as a unifying language for multilinear operations. We define non-symmetric and symmetric operads, using trees to describe free objects and presentations by generators and relations. The talk demonstrates how the "three graces" of algebra - As, Com, and Lie - emerge naturally from this framework, concluding with the categorical isomorphism between operadic and classical algebras.

Invited by Stefan Waldmann