

Announcement

## Seminar on Deformation Quantization

**20. 5. 2022 at 2pm CEST**

Hybrid Seminar in SE 31 and

<https://uni-wuerzburg.zoom.us/j/92529190594?pwd=WkJvR1o1QUdlldUNSSjFJbHB4c0Z0dz09>

GREGOR SCHAUMANN (JMU WÜRZBURG)

Quivers and tensor categories

Quivers are just finite directed graphs, but by considering their representations one obtains a vast generalization from familiar linear algebra problems. The theory encodes much of the representation theory of finite-dimensional algebras and the representation spaces allow for geometric methods, even applications to symplectic geometry. After introducing some of the main corners of the theory (path algebra, Gabriels theorem, quiver invariants, cohomological Hall algebra), I explain a connection to tensor categories and possible applications.

Invited by Stefan Waldmann