

Seminarankündigung

## Deformationsquantisierung

**Am 28. 6. 2019 spricht um 14 Uhr c.t.**

Seminarraum SE 30

DAVID KERN (JMU WÜRZBURG)

From a Lie Algebroid Morphism to a Star Product Morphism

This talk start with a repetition of Lie algebroids and their comorphisms mentioned in the first talk which will be completed by introducing Lie algebroid morphisms. Nevertheless, there is still another kind of morphism for Lie algebroids which is called Lie algebroid morphism and is equivalent to a morphism between differential graded algebras. Furthermore, Lie algebroid derivatives will be introduced in this talk. They are a generalization of covariant derivatives of the tangent bundle of the underlying base manifold and there is a way to related different Lie algebroid derivatives for different base manifolds. All this is nessessary to understand more about the Fedosov construction for Lie algebroids that are related by a Lie algebroid morphism. The aim of this talk is to give a morphism between star product algebras coming from a Lie algebroid morphism.

gez. Stefan Waldmann