RIEMANN CENTER
for Geometry and Physics

Leibniz Universität Hannover

Oberseminar Analysis und Theoretische Physik

zusammen mit dem

Riemann Center for Geometry and Physics

Prof. Dr. Vicente Cortés

Universität Hamburg

Generalized connections and integrability

We characterize the integrability of various structures on Courant algebroids in terms of torsion-free generalized connections. The applications include generalized Kähler and generalized hyper-Kähler structures as particular examples. We do also give a spinorial characterization in the case of regular Courant algebroids. This is based on the theory of Dirac generating operators, for which we develop a new approach based on the geometric data encoding the regular Courant algebroid.

This is joint work with Liana David, see arXiv:1905.01977.

Dienstag, 14.01.2020, 15:00 Uhr, Raum c311 Hauptgebäude der Leibniz Universität

Dazu laden herzlich ein:

Prof. Dr. Wolfram Bauer, Prof. Dr. Joachim Escher,
Prof. Dr. Elmar Schrohe, Prof. Dr. Christoph Walker