

**The Feynman-Kac formula for Schrödinger operators
on vector bundles**

Batu Güneysu (University of Bonn)

In this talk, I will explain how the Feynman-Kac formula can be generalized to a certain class of Schrödinger-type operators on vector bundles over complete Riemannian manifolds. This class includes nonnegative "potentials" which are locally square integrable.