Batu Güneysu (Bonn)
Probabilistic methods for Schrödinger semigroups on vector bundles

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In this talk, I will explain how one can prove a Feynman-Kac type formula for Schrödinger type operators (with possibly singular potentials) on vector bundles over complete Riemannian manifolds, and how this formula can be used to derive information about the spectral theory of these operators.

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