



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

**ZEIT:**

3.2.2011, 16:15 Uhr - 17:45 Uhr

**ORT:**

Universität Potsdam  
Campus Am Neuen Palais  
Haus 8, Raum 1.08.0.53

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.

**Kontakt:**

Humboldt-Universität zu Berlin . Institut für Mathematik  
SFB 647 . Unter den Linden 6 . 10099 Berlin  
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727  
sfb647@math.hu-berlin.de

[www.raumzeitmaterie.de](http://www.raumzeitmaterie.de)