

RESEARCH TRAINING GROUP

*Stochastic analysis with applications in biology, finance
and physics*

Wednesday, 9. November, 2016, 18 Uhr c.t.

Speaker:

Khalil Chouk
(Humboldt-Universität zu Berlin)

Title:

"Singular elliptic operator"

Abstract: I will present in this talk a general framework to study Elliptic (or parabolic) operator with Schwartz distributional potential. Namely the two main example are the Schrödinger operator $\mathcal{H} = -\Delta + \xi$ with white noise potential on a box $[-\frac{L}{2}, \frac{L}{2}]^d$ for $d \leq 3$. Invariance principle will be discussed as the behavior of the ground state energy when L goes to infinity.

Place:

Mathematics building, room MA 004,
Technische Universität Berlin,
Strasse des 17. Juni 136, 10623 Berlin

coffee/tea 16.45 Uhr, room MA 721, Strasse des 17. Juni 136, 10623 Berlin