

SEMINARVORTRAG

Das Institut für Mathematik lädt zu folgendem Vortrag ein:

Christian Kühn

Lichtenberg & Assistant Professor for Multiscale and Stochastic
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Nonlocal Analysis and Stochastic PDEs

In this talk, I will first give a brief introduction to the theory of SPDEs and to the recent theory of regularity structures by Martin Hairer. I shall motivate, why it is natural to consider nonlocal operators in this context. Then, I am going to outline two applications of the theory, first to coupled SPDE-ODE systems and then in more detail to the fractional Allen-Cahn equation, which also appeared in many other contexts recently in PDE theory. The second application is also linked to graph theory, classical combinatorics, computer algebra, and mathematical physics.

Zeit: **Donnerstag, 15. Nov. 2018 um 17:15 Uhr Uhr**

Ort: **Universität Innsbruck, Victor-Franz-Hess-Haus, Technikerstr. 25a,
1.OG, HS F**

Gäste sind herzlich willkommen!

Mechthild Thalhammer