Universität
Konstanz

Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 8. Juni 2017,

einen Vortrag von

David Prömel
(ETH Zürich)

" *Paracontrolled distribution approach to rough convolution equations* "

Beginn: **15.15 Uhr**

Raum: **F 426**

Interessenten sind herzlich willkommen!
R. Denk, R. Racke, O. Schnürer

Abstract: Recently, the paracontrolled distribution approach was introduced by Gubinelli, Imkeller and Perkowski to deal with singular stochastic PDEs as for example the KPZ equation or the stochastic quantization equation. We generalize and adapted this purely analytic approach to prove pathwise existence and uniqueness results for rough convolution equations. In particular, this wide class of equations includes rough differential equations with possible delay, stochastic Volterra equations, and moving average equations driven by Lévy processes. This talk is based on joint works (in progress) with Mathias Trabs.

(invited by Michael Kupper)