Quasilinear PDEs with irregular forcing

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We consider a class of quasilinear PDEs with a stochastic right-hand side that is rather irregular, in particular the product $a(u)\Delta u$ appearing in the quasilinearity is ill-defined. A general solution theory will be discussed and some aspects of the renormalisation procedure will be outlined. Joint work with Martin Hairer (Imperial College London).

Tuesday, March 13, 2018 03:30pm - 04:30pm

Mondi Seminar Room 2, Central Building

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.