

Seminar im Rahmen des GRK 2078

Referent: **Prof. Dr. Caterina Ida Zeppieri**
Institut für Analysis und Numerik, Universität Münster

Datum: Mo., 25.06.2018
Uhrzeit: 14:00 Uhr

Ort: Geb. 10.23, 3. OG (R 308.1 – KM-Seminarraum)

Titel: **Stochastic homogenization of free-discontinuity problems**

Abstract

In this talk I will present some recent results concerning the stochastic homogenization of a class of free-discontinuity functionals depending on vector-valued functions u which can be discontinuous across hypersurfaces depending on u . We will show that, under the usual assumptions of stationarity and ergodicity, the homogenization procedure gives rise to a (homogeneous) deterministic free-discontinuity functional belonging to the same class.

Results obtained in collaboration with F. Cagnetti (University of Sussex), Gianni Dal Maso (SISSA, Trieste), and Lucia Scardia (University of Bath).

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Alle Interessenten sind herzlich eingeladen.
Prof. Dr.-Ing. Thomas Böhlke
(Sprecher des GRK 2078)