

Kolloquium für Mechanik

Referent: **Dr.-Ing. Thorsten Bartel**
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Datum: Do., 30.06.2016
Uhrzeit: 15:45-17:15 Uhr
Ort: Geb. 10.81, HS 62 (R 153)

Titel: **On laminate-based homogenisation and its relation to energy relaxation**

Abstract

This presentation addresses a general view on homogenisation techniques which are required for the modelling and simulation of the mechanical behaviour of materials with microstructures. Starting with a very general framework, the theories will then be specified with respect to the modelling of solid-to-solid displacive phase transformations. Furthermore, connections to mathematical concepts from the field of variational calculus will be established. This in particular includes quasiconvexification and energy relaxation schemes.

Alle Interessenten sind herzlich eingeladen.

Prof. Dr.-Ing. Thomas Böhlke