

Speakers and Talks:

Annika Bach: (Technical University of Eindhoven)

Discrete-to-continuum variational analysis for Ising and Spin models

Marco Bresciani: (FAU Erlangen-Nürnberg)

Variational models with Eulerian-Lagrangian formulation allowing for material failure

Luca Briani: (Technical University of Munich)

A shape optimization problem involving the torsion function and a related hexagonal structure

Janusz Ginster: (Humboldt University of Berlin)

Formation of Microstructure for Singularly Perturbed Problems: From Helimagnets to Shape-Memory Alloys and Domain Dependence

Rossella Giorgio: (Technical University of Vienna)

Nonlocal justification of antisymmetric exchange functionals.

Leon Happ: (Technical University of Vienna)

A scale independent continuous extension operator for maps on microperforated domains mapping into a target manifold

Tim Heilmann: (Technical University of Munich)

A Gamma-convergence result for the theory of phase transitions: double-well problem for gradients of vector-valued functions with surfactant

Melanie Koser: (Humboldt University of Berlin)

Pattern formation in a two-dimensional frustrated spin system

Roberta Marziani: (TU Dortmund/University of L'Aquila)

Non-local approximation of free-discontinuity problems in linear elasticity

Fumihiko Onoue: (Technical University of Munich)

Small liquid drops minimizing a long-range interaction energy

Gianluca Orlando: (Politecnico di Bari)

Chirality transitions in a frustrated spin model

Matthias Ruf: (Ecole polytechnique fédérale de Lausanne)

On the Lavrentiev phenomenon for vector-valued, convex integral functionals

Giorgio Saracco: (Università di Trento)

Bijections between isoperimetric sets, prescribed curvature sets, and p-Cheeger sets

Antonio Tribuzio: (University of Bonn)

Scaling laws for multi-well nucleation problems

Konstantinos Zemas: (University of Münster)

Energy barriers for boundary nucleation in a two-well model: The gauge-free case