



INTERDISCIPLINARY CENTRE FOR
ADVANCED MATERIALS SIMULATION

- 16.04. Franz Roters, Max-Planck-Institut für Eisenforschung, Düsseldorf, Germany
The general crystal plasticity framework "DAMASK"
- 23.04. Roman Gröger, Academy of Science of the Czech Republic, Brno, Czech Republic
Atomic-level foundations of the plastic deformation of BCC metals
- 30.04. Annie Antoni Zdziobek, Laboratoire SIMAP, UMR CNRS, Saint Martin d'Hères, France
Metastable phases vs equilibrium phases appearing in phase diagrams
determination: Fe-W-C, Fe-Cu-Ni, Fe-Co-W/Mo ternary examples.
- 07.05. Dario Alfe, University College London, London, United Kingdom
High-pressure stability of transition metals: recent developments from first principles
thermodynamics
- 14.05. Benoît Appolaire, Laboratoire d'étude des microstructures ONERA, Châtillon, France,
Phase field and plasticity
- 21.05. Bengt Hallstedt, RWTH-Aachen, Aachen, Germany
Calphad modelling of oxide systems
- 04.06. Nicola Bonini, King's College London, United Kingdom
Thermal and electrical transport at the nanoscale from first principles
- 11.06. Hans-Rainer Trebin, Universität Stuttgart, Stuttgart, Germany
Phason paradigms tested on a virtual quasicrystal
- 25.06. Heinz Werner Höppel, Universität Erlangen, Germany
Microstructures and mechanical properties: a phase field modeling of phase transformation and
plastic activity.
- 02.07. Thomas Franke, Institut für Physik, Universität Augsburg, Germany
Soft matter in microfluidics: droplets, vesicles and cells in acoustic and magnetic fields. Part II
- 09.07. Michael Auinger, Max-Planck-Institut für Eisenforschung, Düsseldorf, Germany
What do we know about internal oxidation in hot rolled steels? A theoretical Study and its
experimental verification

The seminar takes place on **mondays, at 4:30 p.m.** in the
ICAMS seminar **room UHW 11/1102**, Stiepelers Straße 129, 44801 Bochum.