



INTERDISCIPLINARY CENTRE FOR  
ADVANCED MATERIALS SIMULATION

- 17.10. Markus Rettenmayr, Friedrich-Schiller Universität, Jena, Germany  
Supersaturations and their role in phase transformations
- 24.10. Thomas Fries, RWTH Aachen, Germany  
The extended finite element method and its application to fracture mechanics and phase simulations
- 31.10. Stefan Müller, Hamburg University of Technology, Germany  
From chemical stability to mechanical properties: multiscaling based on quantum mechanics
- 07.11. Geoffrey Hautier, Massachusetts Institute of Technology, USA  
High-throughput computational search of new materials and its application to lithium-ion batteries
- 14.11. Adam Kiejna, University of Wroclaw, Poland  
Cohesion at clean and doped grain boundaries in bcc Fe and Cr
- 21.11. Andrew Horsfield, Imperial College London, United Kingdom  
Efficient charge and spin mixing in magnetic tight binding
- 28.11. Janin Eiken, RWTH Aachen, Germany  
Phase-field studies of peritectic solidification in Ti-Al alloys
- 05.12. Jörn Mosler, TU-Dortmund, Germany  
Mechanics of interfaces - thermodynamically and variationally consistent approaches
- 12.12. Volker Blum, Fritz-Haber Institut der MPG, Berlin, Germany  
Stretching the limits of first principles: structure prediction, dynamics and spectroscopy from large surfaces to biomolecules
- 19.12. Alphonse Finel, Laboratoire d'Etude des Microstructures, ONERA, Chatillion, France  
t.b.a.
- 09.01. David Wales, University of Cambridge, United Kingdom  
Exploring Energy Landscapes: From Molecules to Nanodevices
- 16.01. Jörg Schröder, Universität Duisburg-Essen, Germany  
On the construction of statistical similar representative volume elements for two-phase materials
- 23.01. Thomas Franke, Universität Augsburg, Germany  
Soft matter in fluidics

The seminar takes place on **mondays, at 4:30 p.m.**

ICAMS seminar **room UHW 11/1102**, Stiepeler Straße 129, 44801 Bochum.