Invitation to the block course

“Energy Methods in Material Modeling”

Course dates: An introduction to the course will be given in the first session on November 8th, 2014, starting 10:00.
All course sessions will take place in IC 03 / 604.
Course dates: two Saturdays (8.11.14, 13.13.14), 10:00-18:00 +
Wednesdays (12.11., 19.11., 26.11., 3.12., 10.12.), 17:00-21:00

Target group: Master students (e.g. 2nd semester “Maschinenbau”, 3rd semester
“Computational Engineering” / “Materials Science and Simulation”), PhD students

Contents:
- Description of material behavior via energy densities
- Mathematical concepts for studying energy densities
- Application to the example of phase transforming materials
  (e.g. shape memory alloys, TRIP steels)

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Registration: e-learning.rub.de → course ID: 127510-ws14