



Institut für Materialprüfung, Werkstoffkunde und Festigkeitslehre (IMWF)

Kolloquium über Werkstoffmodellierung

Colloquium Materials Modelling

- Wintersemester 2017/2018, winter term 2017/2018 -

IMWF, Pfaffenwaldring 32, 70569 Stuttgart

(HH, Seminarraum 3.003/3.004), 11:00 – 14:00 Uhr

23.10.2017	Prof. Shun-ichiro Tanaka	Tohoku University, Japan	<i>Actual 3 axis stress measured by X-ray 2D method</i>
26.10.2017	Dr. Christian Brandl	Institut für Angewandte Materialien, KIT	<i>Defect nucleation and migration in FCC metals with small dimensions: An atomistic simulations perspective on experimental phenomena</i>
02.11.2017	Dr. Fabian Pöhl	Institut für Werkstoffe, RUB	<i>Local mechanical deformation behaviour of multiphase metallic materials during nanoindentation and local cavitation load</i>
09.11.2017	Dr. Alexander Konyukhov	Institut für Mechanik, KIT	<i>Modeling of the anisotropic embedded contact interfaces within the geometrically exact contact theory</i>
17.11.2017 <i>- 10:00 am -</i>	Dr. Mikhail Tashkinov	Perm National Research Polytechnical University, Russia	<i>Research of Advanced Materials at Perm National Research Polytechnic University</i>
30.11.2017	Prof. Bob Svendsen	Max Planck Institut für Eisenforschung, Düsseldorf	<i>Phase-field-based multiscale mechanics and chemomechanics for multiphase, multicomponent solids</i>
07.12.2017	Dr. Ingo Scheider	Zentrum für Material- und Küstenforschung, Helmoltz-Zentrum Geesthacht	<i>Examples for the modelling of nanostructured materials by finite element simulation on the smallest scale, and development of material models for the homogenized compound</i>
14.12.2017	Dr. Abderrahim Al-Mazouzi	Électricité de France, Moret-sur-Loing	<i>Multiscale multiphysics modelling in nuclear industry</i>
18.01.2017	Prof. Holger Steeb	Institut für Mechanik, Universität Stuttgart	<i>Porous Materials: From direct numerical simulations towards coarse-grained models</i>
25.01.2018	Dr. Daniel Schneider	Institut für Angewandte Materialien, KIT	<i>On stress and driving force calculation within multiphase-field models: Applications to martensitic phase transformation and crack propagation in multiphase systems</i>
01.02.2018	Dr. Claus Pütz	Institut für Geometrie und Praktische Mathematik, RWTH Aachen	<i>Teaching CAD with a pedagogical system ranging from videos to individual tutoring</i>

14.11.2017

Interessenten sind herzlich eingeladen!

gez.: Prof. S. Schmauder