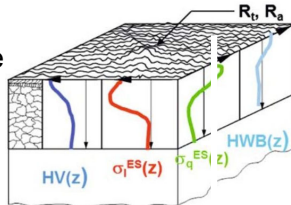


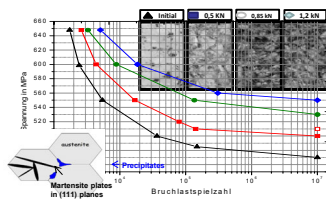
Student research projects and theses are regularly offered at the Institute of Materials Engineering / Metallic Materials, which can be assigned to the following topics. Interested students can directly contact the responsible persons of the individual main topics.

Surface Layer Treatment, Fatigue, Corrosion

Effects of mechanical treatments on surface layer



Wöhler diagrams for rolled austenitic steels with partial martensitic transformation



Contact:

Dr. Thomas Wegener
t.wegener@uni-kassel.de, R. 2110

Thomas Pham
pham@uni-kassel.de, R. 2216

Lisa Ott
ott@uni-kassel.de, R. 2111

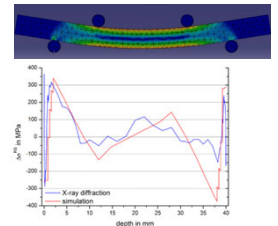
Nico Möller
n.moeller@uni-kassel.de, R. 2215

Dominik Janoschka
janoschka@uni-kassel.de, R. 2214

Leonard Laabs
l.laabs@uni-kassel.de, R. 2212

Rebella Müller,
r.mueller@uni-kassel.de, R. 2212

Effects of bent shaft straightening processes in carburized steel structures



Additive Manufacturing

Interrelationships between processing, microstructure and mechanical properties

Contact:

Dr. Julia Richter
julia.richter@uni-kassel.de, R. 2215

Leoni Hübner
huebner@uni-kassel.de, R. 2216

Ahmed Halkoum
ahmed.halkoum@uni-kassel.de, R. 2213

Christof Torrent
torrent@uni-kassel.de

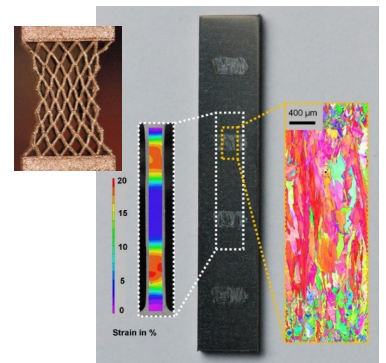
Anna Engelhardt
a.engelhardt@uni-kassel.de, R. 2212

Marcel Krochmal
krochmal@uni-kassel.de, R. 2216

Adrian Guder
a.guder@uni-kassel.de, R. 2213

Nico Möller
n.moeller@uni-kassel.de, R. 2215

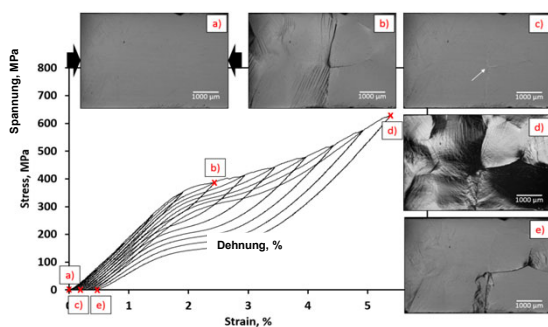
Mikkel Nobach
nobach@uni-kassel.de, R. 2110



Rebella Müller
r.mueller@uni-kassel.de, R. 2212
Leonard Laabs
l.laabs@uni-kassel.de, R. 2212

Shape Memory Alloys

Functional fatigue of shape memory alloys



Contact:

Dr.-Ing. Philipp Kroos
krooss@uni-kassel.de, R 2214

Dr. Christian Lauhoff
lauhoff@uni-kassel.de, R 2109

André Bauer
bauer@uni-kassel.de, R 2103

Johanna Frenck
j.frenck@uni-kassel.de, R. 2213

Marius Horn
horn@uni-kassel.de, R 2213

Viktor Remich
remich@uni-kassel.de, R. 2214

Adrian Guder
a.guder@uni-kassel.de, R. 2213



Residual Stress Analysis

Residual stress determination by means of X-ray diffraction and borehole method on metals and polymers

Contact:

Dr. Alexander Liehr
liehr@uni-kassel.de, R 1206

Artjom Bolender
bolender@uni-kassel.de, R. 2111

Olzhas Tlegenov
tlegenov@uni-kassel.de, R. 2111

Johanna Zeisberg
j.zeisberg@uni-kassel.de, R. 2111

