

Satellite Meeting to the DESY Photon Science Users' Meeting 2013

**„The German Engineering Materials Science Centre (GEMS):
Status and perspectives of the Helmholtz-Zentrum Geesthacht Outstation at DESY“**

DESY, Building 25b, 109

- 14:00 Andreas Schreyer (HZG)
Welcome
- 14:05 Martin Müller (HZG)
Introduction to GEMS
- 14:30 Frank Witte (Medizinische Hochschule Hannover)
t.b.a.
- 14:50 Pere Barriobero Vila (TU Vienna)
Decomposition of the α''/β duplex phase microstructure during continuous heating of a near- β Ti-alloy
- 15:10 Andreas Stark (HZG)
In-situ studies during thermo-mechanical processing of γ -TiAl alloys
- 15:30 coffee break
- 15:45 Christian Hartig (TU Hamburg-Harburg)
t.b.a.
- 16:05 Lina Rogström (Linköping University)
Material science of coatings for cutting tools by use of in-situ high energy x-ray scattering
- 16:25 Jens Gibmeier (KIT)
Real time monitoring of short time heat treatment processes using diffraction methods
- 16:45 Christina Krywka (CAU Kiel)
Nanodiffraction at MINAXS and applications in materials science
- 17:05 Discussion: User requirements for GEMS