

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
- 14:10 Martin Müller (HZG)  
Introduction to GEMS
- 14:30 Frank Witte (Medizinische Hochschule Hannover)  
SR  $\mu$ CT for Imaging Implants in Bone
- 14:50 Pere Barriobero Vila (TU Vienna)  
Decomposition of the  $\alpha''/\beta$  duplex phase microstructure during continuous heating of a near- $\beta$  Ti-alloy
- 15:10 Andreas Stark (HZG)  
In-situ studies during thermo-mechanical processing of  $\gamma$ -TiAl alloys
- 15:30 Coffee break
- 15:45 Christian Hartig (TU Hamburg-Harburg)  
Texture measurements of nanoporous gold
- 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