

SATELLITE WORKSHOP AT DESY PHOTON SCIENCE USERS' MEETING 2014

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

DATE Thursday, 29 January 2015

VENUE CFEL Seminar Room II (building 99)

13:30	Welcome and status of GEMS	A. Schreyer, M. Müller HZG
13:40	In-situ X-ray scattering during the Birth and Death of Cutting Tool Coatings	Jens Birch Linköping University
14:00	<i>In situ</i> observation of stress fields in TiN thin film performed by scanning X-ray nanodiffraction during indentation	Juraj Todt MU Leoben
14:20	<i>In situ</i> sample environments for nanofocused X-ray beams	Florian Wieland HZG
14:40	<i>In situ</i> high-energy X-ray diffraction experiments for the assessment of the thermal stability of zirconia microparticles	Elisabeth Leib University Hamburg
15:00	Coffee Break	
15:30	<i>In situ</i> measurements at high temperature with synchrotron and neutron probes used for the development of Co-Re-based high temperature alloys	Debashis Mukherji TU Braunschweig
15:50	<i>In situ</i> study of phase transformations during laser-beam welding of a TiAl alloy for grain refinement and mechanical property optimization	Jie Liu HZG
16:10	Final Discussion	

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CHAIR Martin Müller & Andreas Schreyer (HZG)