

## SATELLITE WORKSHOP AT DESY PHOTON SCIENCE USERS' MEETING 2015

### 5TH WORKSHOP ON X-RAY NANO-IMAGING OF BIOLOGICAL AND CHEMICAL SYSTEMS AT PETRA III ORGANIZED BY VH-VI-403 OF THE HGF IVF

DATE Thursday, 29 January 2015

VENUE DESY Auditorium, Building 5

14:30	Welcome & Introduction to X-ray Microscopy at PETRA III	<b>C. G. Schroer</b> <i>DESY/Univ. Hamburg</i>
15:00	X-ray powder diffraction mapping and tomography for analysis of (degraded) paint layer systems	<b>F. Vanmeert</b> <i>University of Antwerp</i>
15:20	Tomographic Ptychography of a Budding Yeast Cell Under Cryogenic Conditions	<b>K. Giewekemeyer</b> <i>European XFEL</i>
15:40	Zernike Phase Contrast in X-ray Microscopy	<b>I. Vartiainen</b> <i>PSI</i>
16:00	<b>Coffee Break</b>	
16:30	Cryo-X-ray Tomography of Biological Tissue and In-Situ Element Mapping	<b>W. Schröder</b> <i>DESY</i>
16:50	Water Window Ptychographic Imaging with Characterized Coherent X-Rays	<b>M. Rose</b> <i>DESY</i>
17:10	Nanodiffraction on Single InGaAs Nanowires	<b>T. Stankevic</b> <i>University Copenhagen</i>
17:30	<b>Discussion &amp; Coffee Break</b>	
17:50	Application of X-ray microscopy and ptychography in heterogeneous catalysis	<b>S. Baier</b> <i>KIT</i>
18:10	DESY NanoLab	<b>Andreas Stierle</b> <i>DESY</i>
18:40	Closing remarks & end of meeting	

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CHAIRS Gerald Falkenberg (DESY) & Tim Salditt (Univ. Göttingen)