

SATELLITE WORKSHOP - Photon Science



7th Workshop on X-Ray Nano-Imaging of Biological and Chemical Systems at PETRA III

Thursday, 26 January 2017

Bldg. 1, Seminar Room 4b

The workshop covers X-ray microscopy at PETRA III with special emphasis on applications in biology and chemistry. It is held for the 7th time and brings together scientists from biology, chemistry, and X-ray microscopy. This satellite workshop covers some recent methodological and instrumental developments at PETRA III and the DESY NanoLab as well as some scientific applications. X-ray microscopy will greatly benefit from a future upgrade of PETRA into the ultra-low emittance source PETRA IV. Participants are encouraged to discuss future scientific opportunities.

Organisers: G. Falkenberg, Ch. Schroer

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PROGRAMME

			<i>Chair: G. Falkenberg</i>
14:00	Welcome & X-ray Microscopy Today and at PETRA IV	Christian Schroer	DESY/UHH
14:30	Continuous Scanning & Fast Data Acquisition at P06	Jan Garrevoet	DESY
14:50	Upgrade of the Hard X-Ray Nanoprobe (PtyNAMi)	Andreas Schropp	DESY
15:10	Complementary Nano- and Micro-Imaging at DESY NanoLab	Thomas Keller	DESY
15:30	Operando Investigation of Single Pt Catalyst Nanoparticles	Marie Ingrid Richard	ESRF
16:00	<i>Coffee break</i>		
			<i>Chair: Ch. Schroer</i>
16:30	Correlative Biological Imaging using Simultaneous Ptychography and X-ray Fluorescence	Karolina Stachnik	DESY
17:00	The Determination of Element Distribution in Plants by Transport Proteins	Stefanie Höller	Univ. Halle-Wittenberg
17:30	Nano-Diffraction from Coupled Organic-Inorganic Nanostructures (COINs)	Frank Schreiber	Univ. Tübingen
18:00	Closing Remarks & End of Meeting		