

SATELLITE WORKSHOP - Photon Science

DESY- SAXS/WAXS/GISAXS-User Workshop @ DESY



Thursday, 28 January 2016

Seminar Room 4ab, Bldg. 1b

This workshop addresses current and potential users of small- and wide-angle X-ray scattering at PETRA III. It is intended to present and discuss the status and perspectives of the experimental facilities, especially the Petra III micro- and nanofocus X-ray scattering beamline P03 (MiNaXS), and recent as well as planned user activities. It shall foster communication among the users and identify common interests.

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PROGRAMME

13:00	Computing for SAXS/WAXS/GISAXS	Rainer Gehrke	DESY
13:20	Status of the MiNaXS Beamline	Stephan Roth	DESY
13:40	Status of the Nanofocus Endstation	Christina Krywka	DESY
14:00	X-ray Scattering During Deformation and Fracture at the MINAXS-Beamline - Recent Results and Planned Enhancement of the Technique	Konrad Schneider	Leibniz-Institut fuer Polymerforschung Dresden e.V.
14:20	Microfluidics at Microfocus X-ray Sources: Status and Perspectives	Martin Trebbin	Uni Hamburg
14:40	Microfluidics and Cellulose	Daniel Soederberg	KTH Royal Inst. of Techn.
15:00	DESY NanoLab – Complementary Techniques to Improve Sophisticated X-ray experiments at PETRA III.	Thomas Keller	DESY
15:20	<i>Coffee break</i>		
16:00	Thermoplastic Polyurethanes: The Variation of the Hard Domain Volume During Straining and its Relation to Strain at Break.	Almut Stribeck	Uni Hamburg
16:20	Time-Resolved X-ray Probing of the Crystallization of Supercooled Liquid Argon and Krypton	Robert Grisenti	Uni Frankfurt
16:40	Moisture-Structure Relationship of Gluten Protein Plastics under Deformation	S. Yu	KTH Royal Inst. of Techn
17:00	Improved Power Conversion Efficiency of Organic Solar Cells Caused by Nanoparticle Addition	Peter Müller-Buschbaum	TU München
17:20	Towards the Geometrical Structure of Au Nanoclusters Using Grazing Incidence Scattering	Deniza Chekrygina	Uni Hamburg
17:40	Nanofabrication of Laser Induced Periodic Surface Structures on Polymer Thin Films as Revealed by Grazing Incidence X-ray Scattering	Tiberio Ezquerro	Uni Madrid
18:00	Spray Deposition of the Active Layer of Hybrid Solar Cells Monitored with In-situ GISAXS and GIWAXS.	Volker Körstgens	TU München

Update: 20 January 2016