

# SATELLITE WORKSHOP - Photon Science



## SAXS/WAXS/GISAXS User Workshop @ DESY

30.01.2020

CSSB lecture hall, Bldg. 15

Following the big success of the SAXS/WAXS workshop in recent years, this workshop addresses current and potential users of small-angle X-ray scattering at PETRA III. It is intended to present and discuss the status and perspectives of the current and future experimental facilities in this field at DESY 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	Welcome & Overview of current and future SAXS capabilities at PETRA III	Stephan V. Roth	DESY & KTH
	<b>Session 1: Biomaterials - Cellulose</b>		Chair: Stephan V. Roth
13:10	P03 Nanofocus Endstation: news, updates, perspectives	Anton Davydok	HZG
13:25	Status of Biological SAXS at the EMBL P12 beamline	Andrey Gruzinov	EMBL
13:40	Well-defined polymers and surface modifications	Linda Fogelström	KTH
14:00	Formation of joints during drying of cellulose	Torbjörn Pettersson	KTH
	<b>Session 2: Composite Materials</b>		Chair: Stephan V. Roth
14:20	Advances at P03/MiNaXS	Matthias Schwartzkopf	DESY
14:35	Scattering from materials under deformation - state of the art and perspectives	Konrad Schneider/ Adam Kiersnowski	IPF & TUDD
14:55	Bone quality during skeletal development: structural and compositional adaptations on the micro- and nanoscale	Kilian Stockhausen	UKE
15:15	Nano Grain Mapping: High resolution 3D X-ray diffraction microscopy using nano focused X-rays	Hergen Stieglitz	HZG
<b>15:35-16:10</b>	<b>Coffee break (35 Min.)</b>		
	<b>Session 3: Mapping in reciprocal space</b>		Chair: Matthias Schwartzkopf
16:10	Small Angle X-ray Scattering Beamline for Materials Research (P62): Status and Outlook	Sylvio Haas	DESY
16:25	The high-resolution diffraction beamline P08 - status & highlights	Florian Bertram	DESY
16:40	Soft Matter Confined in Nanopores: 3-D Reciprocal Space Mapping and Single-Pore Diffraction Experiments	Patrick Huber	TUHH
17:00	Active layer printing of hybrid solar cells with in situ GISAXS and GIWAXS	Volker Körstgens	TUM
	<b>Session 4: Surface control</b>		Chair: Matthias Schwartzkopf
17:20	Studying organic solar cells in operando with GISAXS and GIWAXS	Peter Müller-Buschbaum	TUM
17:40	Probing the drying and consolidation of a wet-spun nanocellulose fiber using scanning SAXS	L. Daniel Söderberg	KTH
18:00	Structure Induced Device Degradation in Quantum Dot Solar Cell	Wei Chen	TUM
<b>18:20</b>	<b>End of the workshop</b>		