

GISAS Satellite Conference

Sunday 20 September 2009 - Wednesday 23 September 2009

DESY, Notkestr. 85, 22607 Hamburg, Bldg. 5 (Auditorium)

Programme

Sunday 20 September 2009

Registration - Auditorium, bldg. 5 (16:00-18:00)

Get together party - Auditorium, bldg. 5 (18:00-20:00)

Monday 21 September 2009

Registration - Auditorium, bldg. 5 (09:00-10:00)

Welcome - Auditorium, bldg. 5 (10:00-10:30)

time	title	presenter
10:00	Welcome by the director of Photon Science	WECKERT, Edgar (DESY)
10:15	Welcome by the conference organizers	ROTH, Stephan V. (DESY)

GISANS and GISAXS for the analysis of magnetic nanostructures - Auditorium, bldg. 5 (10:30-11:10)

- Speakers: ZABEL, Hartmut (Ruhr-Universität Bochum)

Session 1 - MAGNETIC THIN FILMS - Auditorium, bldg. 5 (11:10-12:20)

time	title	presenter
11:10	GISANS on magnetic nanostructures	OTT, Frédéric (Laboratoire Léon Brillouin CEA/CRNS)
11:40	GISAXS on Magnetic Alloy Nanostructures	MARET, Mireille (SIMAP)
12:00	Visualizing the self-assembled growth of a magnetic antidot array	SCHLAGE, Kai (DESY)

Lunch - DESY canteen, bldg. 9 (12:20-13:50)

Session 1 continued - MAGNETIC THIN FILMS - Auditorium, bldg. 5 (13:50-14:10)

time	title	presenter
13:50	Specular and off-specular scattering of neutrons from Si/Fe multilayers	TEICHERT, Anke (Helmholtz Zentrum Berlin für Materialien und Energie)

Session 2 - NEW MATERIALS - Auditorium, bldg. 5 (14:10-15:50)

time	title	presenter
14:10	Gracing Incidence Small Angle X-ray Scattering Data and Simulations of Colloidal Multilayer	HUBER, Patrick (ETH Zürich, Paul Scherrer Institute)
14:30	Investigation of the growth of Ge islands on nominal and patterned Si(001) substrates	SCHÜLLI, Tobias (Commissariat à l'Energie Atomique)
15:00	Uniaxially Oriented, Highly Ordered Superstructures of Discotic Supramolecules on Substrates over a Centimeter Length Scale	CHOI, Sung-Min (Korean Advanced Institute of Science and Technology - KAIST)
15:20	Self-Assembly of Mesoporous Materials on Surfaces	AMENITSCH, Heinz (Österreichische Akademie der Wissenschaften)

Coffee break - Auditorium, bldg. 5 (15:50-16:20)

Detailed GISAXS Analysis of Nanostructures in Thin Films of Block Copolymers using Synchrotron Radiation Source - Auditorium, bldg. 5 (16:20-17:00)

- Speakers: REE, Moonhor (Pohang University of Science and Technology (POSTECH))

Session 3 - NEUTRONS - Auditorium, bldg. 5 (17:00-18:50)

time	title	presenter
17:00	Buried interfaces in the light of GISANS and neutron reflectivity	STEITZ, Roland (Helmholtz Zentrum Berlin für Materialien und Energie)
17:30	Study of the Self-Ordering of Cobalt Nanoparticles	THEIS-BRÖHL, Katharina (University of Applied Sciences Bremerhaven)
17:50	The solid-liquid boundary investigated by neutron scattering	WOLFF, Max (Uppsala University)
18:10	GISANS on Surface Induced Order in Microemulsions	FRIELINGHAUS, Henrich (JCNS of Forschungszentrum Jülich GmbH)
18:30	Three-Dimensional Small-Angle scattering and Film Surface Reflection	KOIZUMI, Satoshi (Japan Atomic Energy Agency)

Poster session I - Auditorium, bldg. 5 (19:00-21:00)

Tuesday 22 September 2009

Macroscopic Arrays from Block Copolymers with Lateral Order - Auditorium, bldg. 5 (09:00-09:40)

- Speakers: RUSSELL, Thomas P. (University of Massachusetts)

Session 4 - BIOGISAS - Auditorium, bldg. 5 (09:40-10:30)

time	title	presenter
09:40	Reentrant Condensation of Proteins: Charge-Driven Interactions Beyond Mean-Field Behaviour	SCHREIBER, Frank (Tübingen University)
10:10	Interaction of Synaptic Vesicles with Lipid Monolayers: A Structural Investigation by X-ray Reflectivity and GISAXS	GHOSH, Sajal Kumar (Göttingen University)

Coffee break - Auditorium, bldg. 5 (10:30-11:00)

Session 4 continued - BIOGISAS - Auditorium, bldg. 5 (11:00-12:00)

time	title	presenter
11:00	Phase transformation and local Ordering of Proteins on Surfaces	GEBHARDT, Ronald (ESRF)
11:20	Nano- and MicroGISAX for LB protein nanofilms and LB nanotemplate protein crystallization study	PECHKOVA, Eugenia (Nanoworld Institute, University of Genova)
11:40	Kinetics and Structure of Two-Dimensional Nanocrystal Superlattices by Grazing-Incidence Small- Angle X-ray Scattering	WANG, Jin (Argonne National Laboratory)

Session 5 - POLYMER SOFT MATTER - Auditorium, bldg. 5 (12:00-12:50)

time	title	presenter
12:00	Small Molecule-Directed Hierarchical Assemblies of Nanoparticles	XU, Ting (University of California, Berkeley)
12:30	Formation of lateral structures in diblock copolymer films by vapor treatment	PAPADAKIS, Christine M. (Munich Technical University)

Lunch - Auditorium, bldg. 5 (12:50-14:00)

Session 5 continued - POLYMER SM - Auditorium, bldg. 5 (14:00-15:00)

time	title	presenter
14:00	Grazing Incidence Small-Angle X-ray Scattering Studies on FCC and BCC lattice Structures for Spherical Microdomains in Block Copolymer Thin Films	SHIMOJIMA, Takuma (Kyoto Institute of Technology)
14:20	A GISAXS Study of Columnar Discotic Liquid Crystals in Thin Films on Substrates	KIM, Hyo-Sik (Korea Advanced Institute of Science and Technology (KAIST))
14:40	Structural changes and charge transport properties of annealed P3HT / F8TBT solar cells	FLESCH, Heinz-Georg (Graz University of Technology)

Session 6 - NEW DEVELOPMENTS - Auditorium, bldg. 5 (15:00-16:20)

time	title	presenter
15:00	Combining imaging ellipsometry with GISAXS for an in situ characterization of nanostructures	KÖRSTGENS, Volker (Munich Technical University)
15:20	Simultaneous spatial and energy-resolved SAXS and GISAXS measurements using a new pnCCD detector	PIETSCH, Ullrich (Siegen University)
15:40	A Dedicated Instrument for GISAXS: Beamline 8-ID-E of the APS	WANG, Jin (Argonne National Laboratory)
16:00	Pulsed Laser Deposition of Germanium using Nano-Pulse Lengths	BERNSTORFF, Sigrid (Sincrotrone Trieste)

Coffee break - Auditorium, bldg. 5 (16:20-16:50)**Session 7 - MODELLING - Auditorium, bldg. 5 (16:50-17:40)**

time	title	presenter
16:50	Combining GISAXS with in situ techniques to unravel optical and chemical properties of nanoparticles	LAZZARI, Rémi (Institut de NanoSciences de Paris)
17:20	GISAXS from nanoparticles deposited on rippled dielectric surfaces: self-organization and correlated roughness effects	BABONNEAU, David (PHYMAT - CNRS, University Poitiers)

Bus transfer - to Hamburg harbour (18:00-19:00)**Conference dinner - Motor ship "Hanseatic" (19:00-22:00)****Return journey - Bus shuttle (22:00-23:00)**

Wednesday 23 September 2009

Session 2 continued - NEW MATERIALS - Auditorium, bldg. 5 (09:00-09:40)

time	title	presenter
09:00	Effect of cap layer roughness on the GISAXS pattern from nanodots and its application to InAs nanodots capped with thin layers	OKUDA, Hiroshi (Kyoto University)
09:20	Large-scale homogenous ordered arrays of nanoparticles deposited via modified Langmuir-Blodgett technique	CHITU, Livia (Institute of Physics SAS, Bratislava)

Session 8 - NANOCOMPOSITES - Auditorium, bldg. 5 (09:40-10:20)

time	title	presenter
09:40	Development of Microbeam GISAXS Tomography	KUHLMANN, Marion (CELLS-ALBA)
10:00	AGISAXS study of Carbon-encapsulated Au & Cu clusters: methodologies to separate the different contributions	SIMON, Jean-Paul (Universités de Grenoble & CNRS UMR5266)

Coffee break - Auditorium, bldg. 5 (10:20-11:00)

Session 8 continued - NANOCOMPOSITES - Auditorium, bldg. 5 (11:00-11:30)

time	title	presenter
11:00	GISAXS experiments on integrated templated functional oxide materials	GUTMANN, Jochen (MPI for Polymer Research)

Session 9 - KINETICS - Auditorium, bldg. 5 (11:30-13:00)

time	title	presenter
11:30	Thin Film Kinetics in Soft Materials under Solvent Vapour	SMILGIES, Detlef-M. (CHESS Wilson Laboratory)
12:00	Fabrication of Magnetic Nanodot Arrays using Diblock Copolymer Micelles as Templates	MEYER, Andreas (formerly Frömsdorf) (University of Hamburg)
12:20	In-situ GISAXS Study of Gold Film Growth on a Conductive Polymer Film	KAUNE, Gunar (Munich Technical University)
12:40	Development of in-situ heated Ytria-stabilised Zirconia thin film	HOYDALSVIK, Kristin (Aberystwyth University)

Lunch - DESY canteen, bldg. 9 (13:00-14:00)

Session 10 - COHERENCE - Auditorium, bldg. 5 (14:00-15:10)

time	title	presenter
14:00	Coherent Diffraction Imaging of Nanoislands in GISAXS Experiments	VARTANIANTS, Ivan (DESY)

14:30	Ion induced nanopattern formation on GaSb(001) studied with X-ray photon correlation spectroscopy	BIKONDOA, Oier (University Warwick at ESRF)
14:50	Surface Dynamics studied by X-Ray Photon Correlation Spectroscopy in GISAXS mode	GUTT, Christian (DESY)

Poster session 2 and coffee break - Auditorium, bldg. 5 (15:10-17:10)

Session 11 - NEW MATERIALS (FUTURE DIRECTIONS) - Auditorium, bldg. 5 (17:10-18:30)

time	title	presenter
17:10	Solving surface induced crystal structures of organic molecules	MOSER, Armin (Graz University of Technology)
17:30	Morphological Studies of Bulk Hetero-junction Organic Solar Cells	SCHMIDT, Kristin (University of California, Santa Barbara)
17:50	Design and Performance of the Horizontal Reflectometer REFSANS at FRM II	KAMPMANN, Reinhard (GKSS Research Centre)
18:10	Interplay between Coherent and Incoherent Averaging in Scattering at Grazing Incidence	TOPERVERG, Boris P. (Ruhr-Universität Bochum)

Closing remarks and end of conference - Auditorium, bldg. 5 (18:30-19:00)