

GISAXS2016 Programme

Nov 16, 2016

09:00-10:15 Arrival and registration

10:15-10:25 Opening - Welcome NN

10:25-10:35 Welcome organizers (Stephan Roth, DESY & KTH and Peter Müller-Buschbaum, TUM)

Session 1 – Functional materials (Chair: P. Müller-Buschbaum)

10:35-11:20 Moonhor Ree, Pohang University of Science & Technology (POSTECH) (Korea): **"GISAXS on functional materials"**

11:20-11:55 Tiberio Ezquerra, CSIC Madrid (ESP): **"On the application of Grazing Incidence X-ray Scattering to characterize functional gratings, from polymer systems to fullerene grooves"**

11:55-12:30 Christine Revenant, CEA Grenoble (F) **"GISAXS from solution-processed oxide thin films"**

12:30-14:00 Lunch @ DESY

Session 2 – Semiconductor nanostructures (Chair: Stephan V. Roth)

14:00-14:45 Tilo Baumbach, KIT Karlsruhe (GER): **"Advanced X-ray Scattering Techniques of the in-situ characterization of Semiconductor Nanostructures"**

14:45-15:20 Shun Yu, KTH Stockholm (SWE): **"In situ GISAXS study on the metallic nanostructure at the interfaces in organic electronics"**

15:20-15:30 Group photo

15:30-16:15 Coffee break & Discussion

Session 3 – Organic thin films (Chair: Matthias Schwartzkopf)

16:15-17:00 Michael Toney, SLAC Stanford (US): **"Morphology in Organic Photovoltaics as Probed by Grazing Incidence X-ray Scattering"**

17:00-17:35 Eva Herzig, TU München (GER): **"Exploiting in-situ grazing incidence x-ray scattering to resolve morphology formation mechanisms in organic thin films"**

Session 4 – Dynamics (Chair: Rainer Gehrke)

17:35-18:10 Henrich Frielinghaus, FZJ Jülich (GER): **"Structure and Dynamics of Membranes at the Solid-Liquid Interface"**

18:10-18:45 Stephan V. Roth, DESY (GER): **"High-speed GISAXS"**

GISAXS 2016 – Programme

19:00-20:00 Dinner

Nov 17, 2016

Session 5 – GISAS exploiting tender X-rays and neutrons (Chair: Stephan V. Roth)

09:00-09:45 Hiroshi Okuda, Kyoto University (JPN): "**Use of tender X-rays for depth-dependent structure analysis for self-organized thin films and related materials**"

09:45-10:20 Peter Müller-Buschbaum, TU München (GER): "**Possibilities and challenges of GISANS**"

10:20-11:00 Coffee break

Session 6 – Advances in GISAS analysis (Chair: Peter Müller-Buschbaum)

11:00-11:35 Rainer Gehrke, DESY (GER): "**Software for SAXS/WAXS/GISAXS@DESY**"

11:35-12:10 Matthias Schwartzkopf, DESY (GER): "**GISAXS and High-Throughput - Current status and future challenges**"

12:10-12:45 Joachim Wuttke, FZJ Jülich (GER): "**BornAgain: software to simulate and fit GISAS**"

12:45-14:00 Lunch @ DESY

Session 7 – Towards hands-on training (Chair: Matthias Schwartzkopf)

14:00-14:20 Introduction to MiNaXS (Stephan V. Roth)

14:20-14:30 General safety training (Stephan V. Roth)

14:30-14:45 Division into training groups A/B/C/D

14:45-15:00 Break

15:00- Training sessions TR1-4 (until Nov 18, 2016); soft drink available at training stations

15:00-17:00 Training session TR1

DPDAK - A

Bornagain - B

Visit of P03 - C

Break -D

17:00-19:00 Training session TR2

GISAXS 2016 – Programme

DPDAK - D

Bornagain - A

Visit of P03 - B

Break - C

20:00-22:00 Conference Dinner @ DESY

Nov 18, 2016

09:00—11:00 Training session TR3

DPDAK - C

Bornagain - D

Visit of P03 - A

Break – B

11:00-13:00 Training session TR4

DPDAK - B

Bornagain - C

Visit of P03 - D

Break – A

13:00-14:00 Lunch @ DESY

14:00-15:00 Closing remarks (organizers)

15:00 End of Workshop