

GISAXS2019 Programme

Nov 20th, 2019

09:00-10:15 Arrival and registration

10:15-10:25 Opening – Welcome

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

Session 1 – Basic Introduction (Chair: Stephan V. Roth)

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

11:20-11:55 Peter Müller-Buschbaum: "**Basic Introduction to GISAS**"

11:55-12:30 Gennady Pospelov "**Experiment planning, simulation and fitting for GISAS and reflectometry using BornAgain framework**"

12:30-14:00 Lunch @ DESY / Business lunch

Session 2 – Grazing Incidence Diffraction (Chair: Peter Müller-Buschbaum)

14:00-14:45 Frank Schreiber, Univ. Tübingen (GER): "**Grazing incidence diffraction on organic thin films**"

14:45-15:20 Peter Siffalovic, Slovak Academy of Sciences, Bratislava (SK): "**Real-time tracking of growth of small organic molecules on 2D-substrates by means of GI-SAXS/WAXS**"

15:20-15:30 Group photo

15:30-16:15 Coffee break & Discussion

Session 3 – Future Challenges (Chair: Matthias Schwartzkopf)

16:15-17:00 Alexander Hexemer, ALS, Berkeley (US): "**Big data**"

17:00-17:35 Stephan V. Roth, KTH & DESY (SWE & GER): "**In-situ grazing incidence x-ray scattering for thin film technology**"

Session 4 – GISAS at the air-water interface (Chair: Peter Müller-Buschbaum)

17:35-18:10 Philippe Fontaine, SOLEIL, Gif-Sur-Yvette (FRA): "**Contribution of in-situ GISAXS measurements to the study of semi-fluorinated alkane layers at the air/water interface**"

18:10-18:45 Mark Rutland, KTH Stockholm (SWE): "**Self-assembly structuring of the liquid-air interface in 3D: AFM, VSFG, NR and GISANS - are more acronyms required??**"

19:00-21:00 Poster session with snacks

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Session 5 – GISAS exploiting tender X-rays and neutrons (Chair: Matthias Schwartzkopf)

09:00-09:45 Harald Ade, North Carolina State University (US): "**in-plane and out-of-plane mesoscopic structure of polymer thin films determined by resonant soft x-ray scattering**"

09:45-10:20 Adrien Rennie, Univ. Uppsala (SWE): "**GISANS studies of colloidal thin films**"

10:20-11:00 Coffee break

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

11:00-11:35 Emanuel Kentzinger, FZ Jülich (GER): "**3D vector magnetometry by polarised GISANS**"

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

12:10-12:45 Philipp Gutfreund, ILL, Grenoble (FRA): "**The GISANS options at ILL for liquid and polymer interfaces: Recent examples and perspectives**"

12:45-14:00 Lunch @ DESY / Voucher

Session 7 – Towards hands-on training (Chair: Peter Müller-Buschbaum)

14:00-14:20 Introduction to MiNaXS (Matthias Schwartzkopf)

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 24th, 2019); 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

DPDAK - D

GISAXS 2019 – Programme

Bornagain - A

Visit of P03 - B

Break - C

20:00-22:00 Conference Dinner @ DESY

Nov 22nd, 2019

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