WORKSHOP COORDINATOR

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4th CENEM Summer School for X-ray Scattering 2018
16 – 19 July 2018
Institute for Crystallography and Structural Physics
Friedrich-Alexander-Universität Erlangen-Nürnberg
Staudtstraße 3, 91058 Erlangen
Program

Monday 16th July 2018

Introduction into the different methods and contents of the summer school

9:00 Welcome Prof. Tobias Unruh

9:10 Powder diffraction (XRD) Prof. Rainer Hock

10:00 Small angle X-ray scattering (SAXS) Prof. Tobias Unruh

10:30 Coffee break

11:00 Reflectometry (XRR) Klaus Götz, M. Sc.

11:30 Grazing incidence scattering (GISAXS, GIWAXS) Marvin Berlinghof, M. Sc.

12:00 Coffee break

12:15 Neutron scattering at large scale facilities Dr. Sebastian Busch (FRM II, München)

13:00 X-ray safety briefing Dr. Matthias Weisser

13:30 Lunch

14:30 Hands-on training I

Tuesday 17th July 2018

Powder diffraction and pair distribution function

9:00 Data analysis of powder diffractograms Prof. Rainer Hock

10:30 Coffee break

11:00 Full pattern profile fitting Prof. Rainer Hock

12:00 Coffee break

12:15 Pair distribution function analysis Prof. Reinhard Neder

13:00 Lunch

14:00 Hands-on training II

Wednesday 18th July 2018

Small angle scattering

9:00 Introduction into small angle scattering (SAS) Prof. Tobias Unruh

10:30 Coffee break

11:00 SAS instrumentation and data analysis with discussion Prof. Tobias Unruh

12:30 Lunch

13:30 Hands-on training III

Thursday 19th July 2018

Thin film analysis: reflectometry and grazing incidence scattering

9:00 X-ray reflectometry for studies of layered systems Klaus Götz, M. Sc.

10:30 Coffee break

11:00 GISAXS/GIWAXS for studying thin films Marvin Berlinghof, M. Sc. · Dr. Wolfgang Gruber

12:30 Lunch

13:30 Hands-on training IV

17:30 Barbeque