

38th Berlin School on Neutron Scattering 1st – 9th March 2018

Building LS, room 206, first floor
The LS206 is your meeting point during the week.

| Thursday, 1 st March | | Neutron Scattering Techniques I |
|---------------------------------|--|----------------------------------|
| 9:00-9:30 | Welcome and some administration | Bella Lake |
| 9:30-10:15 | Introduction to Neutron Scattering I | Bella Lake |
| 10:15-10:30 | Break | |
| 10:30-11:15 | Introduction to Neutron Scattering II | Bella Lake |
| 11:15-11:30 | Break | |
| 11:30-12:15 | Neutron Sources, Guides and Instruments | Thomas Krist |
| 12:15-14:00 | Lunch – Please bring your passport for the tour! | |
| 14:00-14:45 | Tomography | Nikolay Kardjilov |
| 14:45-17:30 | Tour of E-hall, V-hall | |
| Friday, 2 nd March | | Neutron Scattering Techniques II |
| 9:00-9:45 | Small Angle Neutron Scattering | Uwe Keiderling |
| 9:45-10:00 | Break | |
| 10:00-10:45 | Crystallography and Diffraction | Daniel Többens |
| 10:45-11:00 | Break | |
| 11:00-11:45 | Magnetic Structures | Manfred Reehuis |
| 11:45-12:00 | Break | |
| 12:00-12:30 | Residual Stress | Rob Wimpory |
| 12:30-14:00 | Lunch | |
| 14:00-14:45 | Triple Axis Spectroscopy | Klaus Habicht |
| 14:45-15:00 | Break | |
| 15:00-15:45 | Sample Environment | Klaus Kiefer |
| 15:45-16:00 | Break | |
| 16:00-17:00 | Tour of sample environment in V-hall | Klaus Kiefer |
| Saturday, 3 rd March | | Special Lectures |
| 9:45-10:30 | Neutron Scattering on Planetary Materials | Helen Maynard-Casely |
| 10:30-11:00 | Break | |
| 11:00-13:00 | E-learning at <i>e-neutrons.org</i> - Exercises in DV338 | |
| 13:00 | Lunch | |

please turn over

Sunday, 4th March

Free, no lectures

| Monday, 5 th March | | Neutron Scattering Techniques III |
|---|---|-----------------------------------|
| 9:00-9:45 | Time of Flight Spectroscopy | Margarita Russina |
| 9:45-10:00 | Break | |
| 10:00-10:45 | Reflectivity | Anton Le Brun |
| 10:45-11:00 | Break | |
| 11:00-11:45 | Polarized Neutrons | Konrad Siemensmeyer |
| 11:45-12:00 | Break | |
| 12:00-12:45 | Spin Echo | Klaus Habicht |
| 12:45-14:00 | Lunch – Please mount your posters in H132 | |
| Monday afternoon | | Experiments and Poster Session |
| 14:00-17:00 | <i>Experiments at neutron scattering instruments</i> | |
| 17:30-19:00 | Students' Poster Session in H132 | All teachers |
| Tuesday, Wednesday, 6 th , 7 th March | | Experiments |
| 9:00-12:00 | <i>Experiments at neutron scattering instruments</i> | |
| 12:00-14:00 | Lunch | |
| 14:00-17:00 | <i>Experiments at neutron scattering instruments</i> | |
| Thursday, 8 th March | | Experiments |
| 9:00-12:00 | <i>Experiments at neutron scattering instruments</i> | |
| 12:00-14:00 | Lunch | |
| 14:00-17:00 | <i>Experiments at neutron scattering instruments</i> | |
| 18:00-22:00 | The students are invited to a buffet dinner | All teachers |
| Friday 9 th March | | Applications of Neutrons |
| 9:00-9:45 | Neutron Scattering as a Probe for Energy | Margarita Russina |
| 9:45-10:15 | Neutron Scattering as a Probe for Biology | Thomas Hauß |
| 10:15-10:45 | Break | |
| 10:45-11:15 | Designing Neutron Instruments | Klaus Lieutenant |
| 11:15-11:45 | Cultural Heritage – Neutrons Detect the Secrets of Old Masters | Andrea Denker |

End of Neutron School