



PROGRAM (Status 06.06.2016)

Monday, 13 June 2016

18:00 Registration and Welcome

Tuesday, 14 June 2016

- 08:50 Welcome
J. Stempfer, D. Novikov (DESY)
- 09:00 Key Note:
Modern Aspects of Resonant Elastic X-ray Scattering: an Overview
M. Altarelli (European XFEL)
- 10:00 Employing x-ray resonant magnetic diffuse scattering to extract correlated spin structure
Jong-Woo Kim (APS Argonne)
- 10:40 Incommensurate counter-rotating magnetic order in a honeycomb iridate stabilised by frustration effects from spin-orbit coupling
S. C. Williams (Clarendon Laboratory, University of Oxford Physics Department)
- 11:10 *Coffee*
- 11:40 Charge ordering in LuFe_2O_4 studied by high resolution powder diffraction and resonant x-ray scattering.
G. Subías (CSIC-Univ. Zaragoza)
- 12:10 Investigation of a degree of structural disorder in Nb_3Sn after irradiation using resonant X-ray diffraction
R. Svetogorov (National Research Center "Kurchatov Institute")
- 12:40 What is important for High Temperature Superconductivity; RIXS and REXS on CLBLCO
A. Keren (Helmholtz-Zentrum Berlin)
- 13:10 *Lunch*
- 14:40 Topological spin texture in chiral magnets as seen via small-angle resonant soft x-ray scattering
Y. Yamasaki (QPEC)
- 15:20 Site selective spectroscopy with atomic layer resolution from Resonant X-ray Reflectivity
J.E. Hamann Borrero (Leibniz Institute for Solid State and Materials Research Dresden)
- 15:50 Charge density wave and magnetic, orbital-order in $\text{Nd}_{1-y}(\text{Ca}_{1-x}\text{Sr}_x)_y\text{MnO}_3 / \text{YBa}_2\text{Cu}_3\text{O}_7$ heterostructures
E. Perret (University of Fribourg)
- 16:20 *Poster Session*
- 18:00 *BBQ*
Presented by Huber Diffractionstechnik GmbH & Co. KG



Wednesday, 15 June 2016

- 09:00 Key Note:
Fluctuating charge order in the optimally doped high temperature superconductor
 $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$
P. Abbamonte
- 10:00 Towards magnetic tomography of 3D structures at the Nanoscale
V. Scagnoli (ETH Zürich)
- 10:40 Identification of Inversion Domains via Resonant X-ray Diffraction on a single Bragg
reflection in ferroelectric KTiOPO_4
F. Fabrizi (Diamond)
- 11:10 *Coffee*
- 11:40 Imaging Electronic Textures in Correlated Electron Materials
S. B. Wilkins (NSLS-II, Brookhaven National Laboratory,)
- 12:20 FDMNES
Y. Joly (NEEL)
- 13:20 *Lunch*
- 14:40 Probing correlated materials via nuclear resonant diffraction of synchrotron radiation
R. Röhlberger (DESY)
- 15:10 Borrmann Spectroscopy on Imperfect Crystals
T. Laurus (DESY)
- 15:40 Probing Atomic Charges at the Electrochemical Interface through Resonant Surface X-Ray
Diffraction
Y. Grunder (University Liverpool)
- 16:10 *Coffee*
- 16:40 *PETRA III tour*



Thursday, 16 June 2016

- 09:00 Key Note:
Resonant and off-Resonant X-Ray Scattering in Non-Collinear Magnetics
V. E. Dmitrienko (Shubnikov Institute of Crystallography RAS)
- 10:00 Some Unusual Experiments on Weak Ferromagnetic Carbonates
S. P. Collins (Diamond Light Source)
- 10:40 REXS and polarization light in low quartz
Y. Joly (Inst. NEEL)
- 11:10 *Coffee*
- 11:40 Reflection suppression in resonant diffraction to characterize atomic displacement in polar strontium Titanate
C. Richter (TU Freiberg and DESY)
- 12:10 Magnetic crystallography: symmetry-based modeling of magnetic structures
J.M. Perez-Mato (UPV/ EHU)
- 13:10 *Lunch*
- 14:40 Induced Order and Spin-Reorientation Transition in Atomically Thin Nickelate/Scandate Heterostructures
M. Bluschke (Max-Planck-Institut für Festkörperforschung und HZB)
- 15:10 Observation of Chiral Structures by resonant x-ray diffraction
Y. Tanaka (RIKEN Spring-8 Center)
- 15:40 Symmetry lowering and multiferroicity in the chir incommensurate helimagnet $\text{Ba}_3\text{TaFe}_3\text{Si}_2\text{O}_{14}$
M. Ramakrishnan (Swiss Light Source, PSI)
- 16:10 *Coffee*
- 16:40 X-Ray Resonant Magnetic Reflectivity Studies on the Static Magnetic Proximity Effect at the Interface of Pt Films Adjacent to Ferromagnetic Supports
J. Wollschläger, (Universität Osnabrück)
- 17:10 Evidencing sharp Verwey transition in an ultrathin Magnetite layer by Resonant X ray Scattering
A. Y. Ramos (University Grenoble and CNRS)
- 17:40 Simultaneous resonant X-ray diffraction measurement of polarization inversion and lattice strain in polycrystalline ferroelectrics
S. Gorfman (University Siegen)
- 18:30 *Departure Boat trip*
- 19:15 *Boat trip*



Friday, 17 June 2016

- 09:00 Key Note:
Challenges for REXS today and tomorrow: A personal view
U. Staub (Swiss Light Source, PSI)
- 10:00 Insulator-metal and magnetic phase control launched at a complex oxide hetero-interface
M. Först
- 10:40 Time Resolved Small Angle X-ray Scattering on FePt nanoparticles, a magnetic probe
E. Jal (SIMES, SLAC National Accelerator Laboratory)
- 11:10 *Coffee*
- 11:40 Quenching of the Resonant Magnetic Scattering by Free-Electron Laser Pulses
L. Müller (DESY)
- 12:10 Multiple-Wavelength Resonant Fluctuation X-Ray Scattering
R. P. Kurta (European XFEL)
- 12:40 *Discussion*