

Workshop: 20 Years of Russian-German Laboratory at BESSY II Program (as of 16.11.2021)

18 November 2021	
Welcome Session	
09.00-09.30	Welcome Addresses
09.30-10.00	Birthday Wishes
Scientific Highlights from Russian-German Laboratory I <i>Session Chair: Oliver Rader</i>	
10.00-10.20	Electronic and magnetic properties at the surfaces of rare-earth compounds probed by photoemission Dmitry Usachov , <i>St. Petersburg State University</i>
10.20-10.40	Electronic structure and correlations in layered van der Waals MPX ₃ materials (M: transition metal; X: S, Se) Yuriy Dedkov , <i>Centre of Excellence ENSEMBLE3, Warsaw and Shanghai University</i>
10.40-11.00	Hidden spin-orbital textures in transition metal dichalcogenides Oliver Clark , <i>Helmholtz-Zentrum Berlin</i>
11.00-11.20	Photoemission studies of topological insulators and ferroelectrics Lada Yashina , <i>Lomonosov Moscow State Univ.</i>
11.20-11.40	Coffee Break
Scientific Highlights from Russian-German Laboratory II <i>Session Chair: Anna Makarova</i>	
11.40-12.00	Correlated electrons and new temperature scales at the surfaces of 4f materials Denis Vyalikh , <i>Ikerbasque, San Sebastian</i>
12.00-12.20	X-ray photoelectron spectroscopy study of lithium storage at interface between graphene and molybdenum disulphide Yuliya Fedoseeva , <i>Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk</i>
12.20-12.40	Functional nanostructural materials characterized by complex studies at RGL Sergey Turishchev , <i>Voronezh State Univ.</i>
12.40-13.00	Photoemission studies for battery research Daniil Itkis , <i>Lomonosov Moscow State Univ.</i>
13.00-13.20	Photoemission studies of Rashba and polaronic effects in halide perovskites Maryam Sajedi , <i>Helmholtz-Zentrum Berlin</i>

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19 November 2021	
Future Perspectives I <i>Session Chair: Denis Vyalikh</i>	
09.00-09.20	Russian-German dipole beamline: highlights and perspectives Anna Makarova , Freie Univ. Berlin
09.20-09.40	Fermi surface tomography as extension for RGL2 Alexander Fedorov , Helmholtz-Zentrum Berlin / IFW Dresden
09.40-10.00	European XFEL: Unique possibilities for X-ray research Serguei Molodtsov , European XFEL
10.00-10.20	Proposal of a versatile soft and ultra-soft X-ray spectroscopy beamline SPECTRUM to address current problems of materials science at the Synchrotron Radiation Facility SKIF Alexander V. Okotrub , Nikolaev Institute of Inorganic Chemistry, RAS, Novosibirsk
10.20-10.40	BESSY III: The Materials' Discovery Facility Jan Lüning , Helmholtz-Zentrum Berlin
10.40-11.00	Magnetic superconductors electronic properties Vasily S. Stolyarov , Moscow Institute of Physics and Technology
11.00-11.20	Coffee Break
Future Perspectives II <i>Session Chair: Clemens Laubschat</i>	
11.20-11.40	Gas-pump X-ray pulse time-resolved APXPS with sub-millisecond time resolution Andrey Shavorskiy , MAX IV, Lund
11.40-12.00	Electronic properties of magnetic topological insulator Andrei Kudriashov , Skolkovo Institute of Science and Technology, Moscow
12.00-12.20	Nanostructured silicon surface for hydrogen generation and cancer theranostics Vladimir Sivakov , Leibniz Institute of Photonic Technology, Jena
12.20-12.40	Innovative Cathode Materials for Lithium-Sulfur Batteries Yan Lu , Helmholtz-Zentrum Berlin
12.40-13.00	Summary and Outlook