15 Years of Russian-German Laboratory at BESSY II

Workshop at Helmholtz-Zentrum Berlin - Program -

Thursday, 7 December 2017		
8:00	Registration	Foyer
9:00	**Opening**	Lecture Hall
9:45	**Memorial Session for Prof. V. K. Adamchuk**	
9:45	**Günther Kaindl/Wolfgang Gudat** *Vera Konstantinovna Adamchuk and the Russian-German Laboratory at BESSY II*	
10:00	Coffee break	Foyer
10:45	**Serguei Molodtsov** (European XFEL/TU Bergakademie Freiberg) *From optical derivation with pocket mirrors to X-ray Free Electron Lasers*	Lecture Hall
11:10	**Andrey Vilesov** (University of Southern California) *Coherent diffractive imaging of vortices in helium droplets*	
11:35	**Clemens Laubschat** (TU Dresden) *15 years collaboration at the Russian-German laboratory at BESSY-II*	
12:00	**Alexander Shikin** (St. Petersburg State Univ.) *Synchrotron radiation induced magnetization in magnetically doped and pristine topological insulators*	
12:25	**Dmitry Usachov** (St. Petersburg State Univ.) *Synthesis, structure and tuneable electronic properties of pure and doped graphene*	
12:50	Lunch	Foyer
14:00	**Alexander Saranin** (Inst. of Automation and Control Processes, RAS, Vladivostok) *2D Compounds on Si(111) and Ge(111) surfaces*	Lecture Hall
14:25	**Oliver Rader** (HZB) *The controversial physics of samarium hexaboride*	
14:50	**Elena Filatova** (St. Petersburg State Univ.) *X-Ray spectroscopic methods for study of physics and chemistry of metal/ insulator interface barrier formation*	
15:15	Coffee break	Foyer
15:45	**Andrei Varykhalov** (HZB) *Spin-orbit textures in the electronic structure of nanopatterned graphene*	Lecture Hall
16:10	**Denis Vyalikh** (Donostia International Physics Center, San Sebastian) *Exotic magnetism and electron-correlation phenomena in rare-earth based antiferromagnets*	
16:35	**Artem Rybkin** (St. Petersburg State Univ.) *Rashba spin-orbit and exchange coupling in graphene*	
17:00	Bus transfer to the Russian Embassy	
18:00	Reception at the Russian Embassy (**Only participants registered and confirmed for the dinner.**)	Russian Embassy
	Bus transfer back to the WCR-Campus Berlin-Adlershof.	

Friday, 8 December 2017		
9:00	**Session "Progress of the Russian-German Laboratory at BESSY II"**	
9:00	**Anna Makarova** (TU Dresden): *RGBL-1: Recent Progress and Future Perspectives*	Lecture Hall
9:25	**Daniil Itkis** (Lomonosov Moscow State Univ.) *Studying materials for next generation lithium batteries at RGBL*	
9:50	**Alexander Grüneis** (Univ. zu Köln) *Combined ultra-high vacuum optical and photoemission spectroscopy of functional 2D materials*	
10:15	Coffee break	Foyer
10:45	**Elena Grachova** (St. Petersburg State Univ.) *Supramolecular cluster complexes of copper subgroup metals: some features of architecture and controlled formation of hybrid nanostructures*	Lecture Hall
11:10	**Lada Yashina** (Lomonosov Moscow State Univ.) *Photoemission studies of topological insulators and low-dimensional semiconductors*	
11:35	**Vera Neudachina** (Lomonosov Moscow State Univ.) *Chemical Bonding, Electronic Structure and Surface Reactivity of Clathrate Materials for Advanced Thermoelectric Applications*	
12:00	**Dmitry Marchenko** (HZB) *Photoemission Electron Microscope for the Russian-German Laboratory*	
12:25	**Liubov Bulusheva** (Nikolaev Institute of Inorganic Chemistry, Novosibirsk) *In situ XPS and NEXAFS investigation of lithium interaction with modified graphene surfaces*	
12:50	Lunch	Foyer
14:00	**Session "Towards time-resolved experiments at the European XFEL and BESSY II/VSR"**	Lecture Hall
14:00	**Andreas Scherz** (European XFEL, Hamburg) *Science opportunities at the Soft X-ray instrument SCS at European XFEL*	
14:25	**Ulf Zastrau** (European XFEL, Hamburg) *High-Energy Density science at European XFEL*	
14:50	**Alexander Soldatov** (Southern Federal Univ., Rostov) *Time-dependent 3D local atomic structure of smart materials*	
15:15	**Alexander Föhlisch** (HZB) *Time-resolved perspectives: RIXS at XFEL and BESSY-VSR*	
15:40	Coffee break	Foyer
16:10	**Jaime Sánchez-Barriga** (HZB) *The new RGBL-2 beamline at BESSY-II: Current status and perspectives*	Lecture Hall
16:35	**Oleg Kornilov** (Max-Born-Institut, Berlin) *Ultrafast photoelectron spectroscopy of molecules in gas phase and in liquids*	
17:00	**Eckart Rühl** (Freie Univ. Berlin) *Spectroscopic and time resolved studies on free nanoparticles*	
17:25	**Thomas Fennel** (Univ. Rostock) *Control and ultrafast imaging of electron dynamics in clusters*	

18:00	Tour through BESSY II	Experi-mental Hall
19:00	Buffet dinner with poster session	Foyer

Poster session

1)_**Dmitry Smirnov** (TU Dresden)
The Russian-German Beamline at BESSY II

2)_**Boris Senkovskiy** (Univ. zu Köln)
Electronic structure and functionalization of atomically precise graphene nanoribbons

3)_**Andrey Bukhtiyarov** (Boreskov Institute of Catalysis, Novosibirsk)
RGBL beamline as a basement for NAP XPS investigation of bimetallic model catalysts

4)_**Victor Shevelev** (St. Petersburg State Univ.)
Characterization of single-layer graphene on strongly interacting metallic substrates using Raman spectroscopy

5)_**Viktor Sivkov** (Komi Research Center, RAS, Syktyvkar)
Absorption cross sections measurement in the NEXAFS C1s-edge by TEY-method

6)_**Kirill Bokai** (St. Petersburg State Univ.)
Recrystallization of graphene

7)_**Sergey Turishchev** (Voronezh State Univ.)
Electronic structure and phase composition of tin-oxygen system surfaces and interfaces by XANES Sn M4,5 synchrotron spectra and ab initio modeling

8)_**Sergey Nekipelov** (Syktyvkar State University)
NEXAFS and XPS studies of the 3d-metal-doped bismuth titanate and bismuth niobate

9)_**Manuel Izquierdo** (European XFEL, Hamburg)
Insight into the electronic properties of $LaCoO_3$

10)_**Alexander Okotrub** (Nikolaev Institute of Inorganic Chemistry, RAS, Novosibirsk)
In situ study of graphene microcapacitors and sensors by using XPS and XANES

11)_**Maxim Krivenkov** (HZB, Berlin)
Scattering resonances in graphene

12)_**Anna Zakharova** (Saint-Petersburg University)
Electron structure of bismuth compounds by High-Resolution X-Ray absorption spectroscopy

as of 2 Dec.. 2017