

9th Joint BER II and BESSY II User Meeting



Dec. 13th to Dec. 15th

WISTA-Centre/BESSY II, Berlin-Adlershof and Lise-Meitner-Campus Berlin-Wannsee

Wednesday, December 13th, 2017 :
Young Scientists and Synchrotron Day

Wilhelm-Conrad-Roentgen Campus
Albert-Einstein-Str. 15
Rudower Chaussee 17
12489 Berlin

13:30 – 18:00	Registration and Vendor Exhibition	WISTA Centre
14:00 – 15:50	Synchrotron Session (Chair: Christian Jung)	Bunsen Auditorium
14:00	<i>Bernd Rech (HZB)</i> Welcome	
14:10	<i>Andreas Jankowiak (HZB)</i> Accelerator Operation and Projects @ HZB	
14:30	<i>Alexander Föhlisch (HZB)</i> BESSY II: Photon Science	
14:50	<i>Paul Goslawski (HZB)</i> BESSY II: few bunch mode, island buckets and twin orbit test week	
15:10	<i>Ieva Bidermane (HZB)</i> Electron-Electron Coincidence Station at BESSY II	
15:30	<i>Gerd Schneider (HZB)</i> Developments in X-ray Microscopy	
15:50 – 16:05	General Discussion	Bunsen Auditorium
16:05 – 16:30	Coffee Break	WISTA Centre
16:30 – 17:45	Young Scientists Session (Chair: Carolin Schmitz-Antoniak)	Bunsen Auditorium
16:30	<i>Kateryna Medjanik (Johannes Gutenberg Universität Mainz)</i> New way of performing ARPES by time-of-flight momentum microscopy	
16:45	<i>Rebecka Lindblad (Lund University)</i> X-ray absorption and XMCD of cationic molecules studied in gas-phase	
17:00	<i>Tobias Bock (Max Delbrück)</i> Crystal structures and beyond – the alternative myxobacterial isovaleryl CoA biosynthesis and its regulation	
17:15	<i>Miriam Weller (Johann Wolfgang Goethe-Universität Frankfurt am Main)</i> Imaging the Temporal Evolution of Molecular Orbitals during Ultrafast Dissociation	
17:30	<i>Soohyung Park (Humboldt Universität Berlin)</i> Direct determination of monolayer MoS₂ and WSe₂ exciton binding energies on insulating and metallic substrates	
18:00-20:00	Traditional curried sausage with “Schrippen” and beer	Bunsen Auditorium

9th Joint BER II and BESSY II User Meeting



Dec. 13th to Dec. 15th

WISTA-Centre/BESSY II, Berlin-Adlershof and Lise-Meitner-Campus Berlin-Wannsee

Thursday, December 14th, 2017:
Science Day

Wilhelm-Conrad-Roentgen Campus
Albert-Einstein-Str. 15
Rudower Chaussee 17
12489 Berlin

9:00 – 16:00	Vendor Exhibition	WISTA Centre
8:30 – 17:00	Registration and Poster Set-up	WISTA Centre BESSY II
9:30 – 9:40	Opening <i>Bernd Rech (HZB)</i>	Bunsen Auditorium
9:40 – 10:10	Key Note Lecture (<i>Chair: Christian Papp</i>) <i>Roel van de Krol (HZB)</i> New Infrastructures at HZB for Energy Materials Research	
10:10 – 10:40	Coffee Break and Vendor Exhibition	WISTA Centre
10:40 – 12:20	Oral Presentations I (<i>Chair: Catherine Dubourdieu</i>)	Bunsen Auditorium
10:40	<i>Anna Palau (ICMAB-CSIC, Barcelona)</i> Encoding Magnetic States in Monopole-Like Configurations Using Superconducting Dots	
11:00	<i>Niels Bech Christensen (DTU)</i> Magnetic phase diagram of strongly magnetoelectric LiCoPO ₄	
11:20	<i>Peter Strasser (TU Berlin)</i> In situ electrocatalysis – watching the dark side of solar fuels at work	
11:40	<i>Christian Papp (Universität Erlangen-Nürnberg)</i> Liquid Organic Hydrogen Carriers (LOHCs) - Towards a Hydrogen-free Hydrogen Economy	
12:00	<i>Denis Vyalikh (CSIC-UPV/EHU)</i> Exotic magnetism and electron-correlation phenomena in rare-earth based antiferromagnets	
12:20 – 13:30	Lunch Break	(Canteens on site)
13:30 – 15:10	Oral Presentations II (<i>Chair: Svante Svensson</i>)	Bunsen Auditorium
13:30	<i>Benjamin Palmer (Weizmann Institute of Science)</i> Crystal-Eyes: Biogenic Crystals used for Vision	
13:50	<i>Quentin Berrod (CEA)</i> Transport properties of ionic liquids under 1D nanometric confinement	
14:10	<i>Yves Muller (Uni Erlangen-Nürnberg)</i> Insight into herpesvirus replication from structural studies at the HZB-MX beamlines	
14:30	<i>Justin Wells (Norwegian University of Science and Technology)</i> In Situ Patterning of Ultrasharp Dopant Profiles in Silicon	

9th Joint BER II and BESSY II User Meeting



Dec. 13th to Dec. 15th

WISTA-Centre/BESSY II, Berlin-Adlershof and Lise-Meitner-Campus Berlin-Wannsee

14:50	<i>Stephan Hofmann (University of Cambridge)</i> Integrated Crystal Growth of Advanced Nanomaterials: from model systems to integrated manufacturing	
15:10 – 15:40	Coffee Break and Vendor Exhibition	WISTA Centre
15:40 – 15:50	<i>Christian Papp (Universität Erlangen-Nürnberg)</i> Report from the User Committee	Bunsen Auditorium
15:50 – 17:00	Bestowal of Prizes: Friends of Helmholtz-Zentrum Berlin e.V. <i>(Chair: M. Richter)</i>	Bunsen Auditorium
17:00 – 18:00	Public Lecture <i>(Chair: Emil List-Kratochvil)</i> <i>George Malliaras (University of Cambridge)</i> Interfacing with the brain using organic electronics	Bunsen Auditorium
18:00 – 20:00	Poster Session	(BESSY II Experimental Hall)
20:00	Berliner Buffet and Poster Prize (sponsored by the companies participating in the vendor exhibition)	(BESSY II Foyer)

9th Joint BER II and BESSY II User Meeting



Dec. 13th to Dec. 15th

WISTA-Centre/BESSY II, Berlin-Adlershof and Lise-Meitner-Campus Berlin-Wannsee

Friday, December 15th, 2017:

Young Scientists and Neutron Day

Lise-Meitner Campus
Hahn-Meitner-Platz 1
14109 Berlin

8:30-9:00 Registration

(LMC-Foyer)

9:00 – 10:30 Neutron Session (Chair: Klaus Habicht)

(Lecture Hall)

9:00 *Bernd Rech (HZB)*

Opening

9:10 *Siqin Meng (CIAE/HZB Guest)*

MultiFLEXX: the multi-energy array analyzer at FLEXX

9:30 *Eneli Härk (HZB)*

Chasing electrons with neutrons – Investigation of the microstructure of RP-20 carbon electrode

9:50 *Michael Tovar (HZB)*

Experimental opportunities of the X-ray CoreLab: Crystal Structure, Stress, Texture

10:10 *Markus Wollgarten (HZB)*

The CoreLab Correlative Spectroscopy and Microscopy at HZB at a glance

10:30-11:00 Coffee Break

11:00 – 12:30 Young Scientists Session (Chair: Susan Schorr)

(Lecture Hall)

11:00 *Miriam Steinhauer (DLR)*

In situ Studies of Solid Electrolyte Interphase (SEI) Formation on Carbon Surfaces by Neutron Reflectometry

11:15 *Leonie Heinze (TU Braunschweig)*

Magnetism of atacamite, $\text{Cu}_2\text{Cl}(\text{OH})_3$

11:30 *Pavlo Portnichenko (TU Dresden)*

Magnetic-field dependence of the ferromagnetic excitation in the heavy-fermion metal CeB_6

11:45 *Rasmus Palm (University of Tartu)*

Small angle neutron scattering for determination of porous structure of molybdenum carbide-derived carbons

12:00 *Anton Werwein (Universität Leipzig)*

Zintl phase hydrides LaGaD_x , TmGaD_x and NdSiD_x

12:15 *Jooseop Lee (Cornell University)*

Study on high magnetic field phase of UPt_2Si_2

12:30 – 14:00

Poster Session and Lunch

(Café Jahn)