

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 – 18:00	Young Scientist Session (Chair: Carolin Schmitz-Antoniak)	Bunsen Auditorium
16:30	<i>Kateryna Medjanik (Johannes Gutenberg Universität)</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)</i> Imaging the Temporal Evolution of Molecular Orbitals during Ultrafast Dissociation	
17:30	<i>Soohyung Park (HU Berlin)</i> Direct determination of monolayer MoS₂ and WSe₂ exciton binding energies on insulating and metallic substrates	
18:30-20:00	Traditional curried sausage with “Schrippen” and beer	Bunsen Auditorium

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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
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 (Uni 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	

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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	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 <i>(sponsored by the companies participating in the vendor exhibition)</i>	(BESSY II Foyer)

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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 and Café
Jahn)

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

(Lecture Hall)

9:00 *Bernd Rech (HZB)*

Opening

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

Title to be confirmed

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 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)