

Confirmed Invited Speakers

Bernd Abel, IOM, Universität Leipzig
Mathias Bargheer, Universität Potsdam
Jeroen A. van Bokhoven, ETH, PSI
Uwe Bovensiepen, Universität Duisburg-Essen
Christian Bressler, XFEL
Majed Chergui, EPFL
Oksana Chubykalo-Fesenko, CSIC
Rainer Eichberger, HZB
Stefan Eisebitt, TU Berlin
Thomas Elsässer, MBI
Alexander Föhlisch, HZB
Kelly Gaffney, SSRL, SLAC
Frank de Groot, Utrecht University
Thomas Hannappel, TU Ilmenau
Maurits Haverkort, MPI CPFS
Nils Huse, CFEL
Andreas Jankowiak, HZB
Steve Johnson, ETH
Tobias Kampfrath, FHI
Hans-Joachim Lewerenz, Caltech
Marcus Lundberg, Uppsala University
Roman Mankowsky, MPI-SD
Thomas Möller, TUB
Robert Moshhammer, MPI Heidelberg
Markus Münzenberg, Universität Göttingen
Erik Nibbering, MBI
Arwen Pearson, CUI Hamburg
Theo Rasing, Radboud University
Tim Saldit, MPI f. Biophysikal. Chemie
Claus Schneider, FZJ
Gisela Schütz, MPI
Katrin Siefertmann, IOM
Simone Techert, DESY
Oriol Vendrell, CFEL
Martin Weinelt, FUB
Martin Wolf, FHI
Wilfried Wurth, Universität Hamburg
Junko Yano, Lawrence Berkeley National Lab

Meeting Venue

Helmholtz-Zentrum Berlin für
Materialien und Energie GmbH

Albert-Einstein-Strasse 15
12489 Berlin
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www.helmholtz-berlin.de

BESSY II FROM PICO TO FEMTO

WORKSHOP ON TIME-RESOLVED STUDIES

January 26 - 27, 2015
Berlin-Adlershof

CONTACT

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Further information and updates can be found at http://www.helmholtz-berlin.de/user/workshops/from-pico-to-femto/index_de.html



SYNCHROTRON-BASED, TIME-RESOLVED TECHNIQUES...

... provide unprecedented insights into various areas of applied and fundamental science, this being largely due to their unique capabilities of allowing for a direct view onto the constituent building blocks of matter (electrons, spins, atoms, and molecules) on their characteristic length- and time-scales.

Prominent examples are the detection of non-equilibrium phases of matter, the characterization of transient and metastable magnetic and chemical states and the real-time observation of light-harvesting materials and biological systems, just to name a few.

As such, there is an increased demand of the user community for high brilliance X-ray light sources with flexible time structures that could accommodate such time-resolved techniques covering the full spectral range from far-IR to hard X-rays.

In a series of foresight workshops, HZB wishes to establish a discussion platform for future projects and research activities in concert with current and future users from universities, research institutes and industry. The aim of the dialogue is to identify future scientific fields as well as expectations, needs and requirements for cutting edge science with synchrotron radiation.

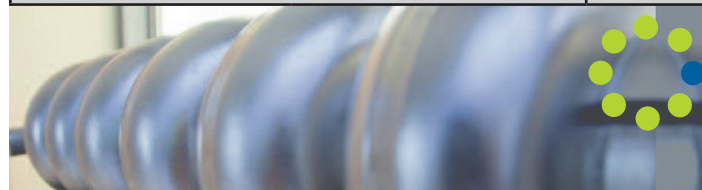
HZB kindly invites you to join our workshop on ultrafast X-ray science in order to start or intensify a dialogue with us about future science and your requirements for successful experiments at our synchrotron.

Scope of the workshop

After introductory overview talks to the many research areas that use time-resolved spectroscopic techniques, topical sessions will allow intense exchange of ideas and will be completed by a common discussion on needs and expectations concerning beam properties, instrumentation, and sample environment. A poster session, a facility visit and a get-together dinner are also part of the programme.

Programme

26 January, 2015 First Day (Registration BESSY II Foyer)		
Welcome	Alexander Föhlisch	09:15 - 09:30
Overview Talks (BESSY II Lecture Hall)		
Magnetism	Theo Rasing (Radboud University)	09:30 - 10:00
Correlated Materials	Steve Johnson (ETH)	10:00 - 10:30
Energy Research/Catalysis	Wilfried Wurth (Universität Hamburg)	10:30 - 11:00
Coffee Break		
Bio Systems	Majed Chergui (EPFL)	11:30 - 12:00
Chem. Reaction Dynamics	Kelly Gaffney (SSRL, SLAC)	12:00 - 12:30
Ultrafast from THz to X-ray	Thomas Elsässer (MBI)	12:30 - 13:00
Lunch Break (BESSY II Foyer)		
Topical Sessions: 2 parallel sessions (talks 25 + 5 minutes) Please note that the parallel sessions are held in two different buildings.		14:00 - 18:30
Magnetism: BESSY II Lecture Hall	Chemical Reaction Dynamics: „Kino“, building 13.10	14:00 - 16:00
Markus Weigand (MPI for intelligent systems)	Christian Bressler (XFEL)	14:00 - 16:00
Martin Weinelt (FUB)	Erik Nibbering (MBI)	
Claus Schneider (FZJ)	Robert Moshhammer (MPI Heidelberg)	
Uwe Bovensiepen (Universität Duisburg-Essen)	Nils Huse (CFEL)	
Coffee Break (BESSY II Foyer and Kino)		
Stefan Eisebitt (TUB)	Simone Techert (DESY)	16:30 - 18:00
Markus Münzenberg (Universität Göttingen)	Bernd Abel (IOM, Universität Leipzig)	
Oksana Chubykalo-Fesenko (Spanish National Research Council, CSIC)	Oriol Vendrell (CFEL)	
Ideas, Suggestions and Requirements concerning beam, instrumentation and sample environment	Ideas, Suggestions and Requirements concerning beam, instrumentation and sample environment	18:00 - 18:30
Dinner - Poster Session (BESSY II Foyer)		



27 January, 2015 Second Day (Registration BESSY II Foyer)		
Topical Sessions: 2 parallel sessions (talks 25 + 5 minutes) Please note that the parallel sessions are held in two different buildings.		09:00 - 11:40
Energy Research: BESSY II Lecture Hall	Bio Systems: „Kino“, building 13.10	08:30 - 10:00
Thomas Hannappel (TU Ilmenau)	Junko Yano (Lawrence Berkeley Nat. Lab)	09:00 - 10:00
Hans-Joachim Lewerenz (Caltech)	Tim Saldit (MPI f. Biophysikal. Chemie)	
Coffee Break (BESSY II Foyer and Kino)		
Rainer Eichberger (HZB)	Arwen Pearson (CUI Hamburg)	10:20 - 11:20
Katrin Siefertmann (IOM)	Thomas Möller (TUB)	
Ideas, Suggestions and Requirements concerning beam, instrumentation and sample environment	Ideas, Suggestions and Requirements concerning beam, instrumentation and sample environment	11:20 - 11:40
Topical Sessions: 2 parallel sessions (talks 25 + 5 minutes)		11:45 - 15:05
Correlated Materials: BESSY II Lecture Hall	Catalysis: „Kino“, building 13.10	11:45 - 12:45
Roman Mankowsky (MPI-SD)	Jeroen A. van Bokhoven (ETH, PSI)	
Tobias Kampfrath (FHI)	Frank de Groot (Utrecht University)	
Lunch Break (BESSY II Foyer)		
Matias Bargheer (Universität Potsdam)	Martin Wolf (FHI)	13:45 - 14:45
Maurits Haverkort (MPI CPFS)	Marcus Lundberg (Uppsala University)	
Ideas, Suggestions and Requirements concerning beam, instrumentation and sample environment	Ideas, Suggestions and Requirements concerning beam, instrumentation and sample environment	14:45 - 15:05
Coffee Break (BESSY II Foyer)		
Into the Future (BESSY II Lecture Hall)		
BESSY II Accelerator Instrumentation	Andreas Jankowiak (HZB)	15:30 - 16:00
BESSY II Photon Science Instrumentation	Alexander Föhlisch (HZB)	16:00 - 16:30
General Discussion and Summary		16:30 - 17:00
End of the Workshop		
Afterwards: Possibility to visit the Experimental Hall		