

## Confirmed Invited Speakers

Ernst Bauer (Arizona State University)  
Carla Bittencourt (Université de Mons)  
Oliver Bunk (PSI)  
Lucy Collinson (Francis Crick Institute)  
Stefan Eisebitt (TU Berlin)  
Peter Fratzl (MPI Golm)  
Richard Harrison (University of Cambridge)  
Chris Jacobson (Argonne Lab/Northwestern University)  
Andreas Jankowiak (HZB)  
Armin Kleibert (PSI)  
Wolfgang Ludwig (ESRF)  
Ingo Manke (HZB)  
James McNally (HZB)  
Eva Pereiro (ALBA)  
Bastian Pfau (Lund University)  
Christoph Quitmann (MAXlab)  
Tim Saldit (Universität Göttingen)  
Andreas Scherz (XFEL)  
Claus Schneider (FZJ)  
Ruud Tromp (IBM/Leiden University)  
Stefan Werner (HZB)

## Scientific Committee

Stefan Eisebitt  
Florian Kronast  
Bernd R. Müller  
Simone Raoux  
Gerd Schneider  
Antje Vollmer

## Meeting Venue

Helmholtz-Zentrum Berlin für  
Materialien und Energie GmbH

Albert-Einstein-Strasse 15  
12489 Berlin  
Tel +49 - 30 - 80 62 - 12999



[www.helmholtz-berlin.de](http://www.helmholtz-berlin.de)

## IMAGING WORKSHOP

BESSY II

October 5 - 6, 2015  
Berlin-Adlershof

## CONTACT

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Further information and updates can be found at  
[www.helmholtz-berlin.de/user/workshops/imagingws](http://www.helmholtz-berlin.de/user/workshops/imagingws)



# SYNCHROTRONS HAVE OPENED MULTIPLE OPPORTUNITIES FOR EXPLORING THE STRUCTURE AND PROPERTIES OF MATTER.

With nanoscale resolution, modern spectromicroscopies based on photon-in/photon-out and photon-in/electron-out techniques deliver unique elemental, chemical, structural, magnetic, and electronic information.

The workshop will be focused on recent advances and future prospects in synchrotron imaging technologies and their applications. World leading experts will illustrate current achievements and future developments in PEEM (photoemission electron microscopy), X-ray microscopy, coherent X-ray imaging methods (ptychography, holography) and synchrotron X-ray tomography.

This workshop will provide the opportunity to present and exchange ideas for imaging at current and future synchrotron light sources.

An important focus will be the development of a roadmap to couple instrumentation with scientific applications to open up new areas to imaging at future coherent light sources.

**The workshop is free of charge to the participants, an online registration is required.**



## Programme

First Day – 5. Oct. 2015		
Welcome	Anke Kaysser-Pyzalla	09:00-09:10
<b>Overview Talks</b>		
<b>Holography</b>	Stefan Eisebitt (TU Berlin)	09:10-09:40
<b>PEEM</b>	Ernst Bauer (Arizona State University)	09:40-10:10
<b>TXM</b>	Eva Pereiro (ALBA)	10:10-10:40
<b>Coffee Break</b>		
<b>Ptychography</b>	Chris Jacobson (ANL)	11:00-11:30
<b>µm Tomography/ Multiprobe Scanning Imaging</b>	Peter Fratzl (MPI Golm)	11:30-12:00
<b>Imaging at Future Light Sources</b>	Christoph Quitmann (MAXlab)	12:00-12:30
<b>Lunch Break</b>		
<b>Topical Sessions</b>		
<b>Holography and Coherent Diffraction Imaging</b>	Tim Saldit (Universität Göttingen), Andreas Scherz (XFEL), Bastian Pfau (Lund University)	13:30-15:00
<b>Ideas, Suggestions and Requirements</b>		15:00-15:15
<b>Coffee</b>		
<b>PEEM</b>	Claus Schneider (FZJ), Armin Kleibert (PSI), Ruud Tromp (IBM/Leiden University), Richard Harrison (University of Cambridge)	15:45-17:45
<b>Ideas, Suggestions and Requirements</b>		17:45-18:00
<b>Dinner - Poster Session</b>		

Second Day – 6. Oct. 2015		
<b>Topical Sessions</b>		
<b>TXM</b>	Carla Bittencourt (Université de Mons), Lucy Collinson (Francis Crick Institute), Stefan Werner (HZB)	09:00-10:30
<b>Ideas, Suggestions and Requirements</b>		10:30-10:45
<b>Coffee Break</b>		
<b>STXM / Ptychography</b>	Oliver Bunk (PSI), James McNally (HZB), Markus Weigand (MPI-IS)	11:15-12:45
<b>Ideas, Suggestions and Requirements</b>		12:45-13:00
<b>Lunch Break</b>		
<b>µm Tomography/ Multiprobe Scanning Imaging</b>	NN, Ingo Manke (HZB), Wolfgang Ludwig (ESRF)	14:00-15:30
<b>Ideas, Suggestions and Requirements</b>		15:30-15:45
<b>Coffee</b>		
<b>Into the Future</b>		
<b>BESSY II Photon Science Instrumentation and Optics</b>	Frank Siewert (HZB)	16:15-16:45
<b>BESSY II Accelerator and Storage Ring Instrumentation</b>	Andreas Jankowiak (HZB)	16:45-17:15
<b>General Discussion and Summary</b>		17:15-17:30
<b>End of the Workshop 17:30 – Possibility to Visit the Experimental Hall</b>		

