

# DESY PHOTON SCIENCE USERS' MEETING.



January 28-29, 2016 in Hamburg

DESY Auditorium (Bldg. 5)

Wednesday, January 27 **European XFEL Users' Meeting (9.30-18.00 DESY Auditorium)**

Thursday, January 28 **DESY Photon Science Users' Meeting - FLASH.**

<b>9.00 - 9.05</b>	Welcome	Chairperson: Josef Feldhaus (DESY)
<b>9.05 - 9.35</b>	FLASH - today and tomorrow- status report and future plans	E. Weckert (DESY, Hamburg) W. Wurth (DESY/Univ. Hamburg)
<b>9.35 - 10.00</b>	The CAMP End-Station at FLASH1	B. Erk (DESY, Hamburg)
<b>10.00 - 10.30</b>	Temporal photon pulse diagnostics based on transverse deflecting cavities	C. Gerth (DESY, Hamburg)
<b>10.30 - 10.40</b>	Report of the 'Komitee Forschung mit SR' (KFS)	S. Eisebitt, KFS Chair (MBI, Berlin)
<b>10.40 - 11.00</b>	<b>Coffee break</b>	

## Soft X-ray FEL experiments

Jointly organized with European XFEL

<b>11.00 - 11.30</b>	X-ray movie camera at FLASH	Chairperson: Massimo Altarelli (European XFEL)
<b>11.30 - 12.00</b>	X-Mapping chemical interactions and dynamics with soft X-ray laser spectroscopy	D. Rupp (TU Berlin) P. Wernet (HZB, Berlin)
<b>12.00 - 12.30</b>	XUV lasers in noble gases and clusters – recent results from FLASH	L. Mercadier (MPSD, Hamburg)
<b>12.30 - 13.00</b>	Coherent control with the FERMI FEL	K. Prince (Elettra, Trieste)
<b>13.00 - 14.00</b>	<b>Lunch break</b>	

## 14.00 - 19.00 Satellite meetings

**19.00 Reception for speakers and participants (in the DESY canteen, Bldg. 9)**

Friday, January 29 **DESY Photon Science Users' Meeting.**

<b>9.00 - 9.05</b>	Welcome	Chairperson: Andreas Stierle (DESY)
<b>9.05 - 9.50</b>	Photon science at DESY	E. Weckert (DESY, Hamburg)
<b>9.50 - 10.20</b>	The most incompressible metal osmium at static pressures above 750 GPa	E. Weckert (DESY, Hamburg) L. Dubrovinsky (Univ. of Bayreuth)
<b>10.20 - 10.50</b>	<b>Coffee break</b>	
<b>10.50 - 11.20</b>	Recent results from PETRA III - Stacking charge density wave order in high-temperature superconductor	Chairperson: Christian Schroer (DESY) J. Chang (Univ. of Zürich)
<b>11.20 - 11.50</b>	High numerical aperture multilayer Laue lenses	S. Bajt (DESY-CFEL, Hamburg)
<b>11.50 - 12.20</b>	Synchrotron radiation techniques reveal a molecular ruler that determines the length of lipopolysaccharides in Escherichia coli	G. Hagelüken (Univ. Bonn)
<b>12.20 - 12.35</b>	Report of the User Committee (DPS-UC)	P. Müller-Buschbaum, DPS-UC Chair (TU München)
<b>12.35 - 12.50</b>	Report of the Europ. Synchrotron User Organisat. (ESUO)	U. Pietsch, ESUO Chair (Univ. Siegen)
<b>12.50 - 14.00</b>	<b>Lunch break</b>	

**14.00 - 17.00 POSTER SESSION and Vendor exhibition**  
(CFEL Bldg. 99, PETRA Bldg.(North) 46 and FLASH seminar room 28K)

Jointly organized with European XFEL