

Organizers: Jan Grünert (European XFEL) and Marco Zangrando (FERMI)

The Satellite Workshop on Photon Beam Diagnostics is organized as part of the European XFEL Users' Meeting, like in previous years (except 2014). The target of this Workshop is to bring together the experts in FEL Photon Diagnostics, to strengthen existing collaborations and create new ones, to share the latest progress but also to discuss new experimental methods and instrumentation that seems suited to be used as FEL photon beam diagnostics. Last but not least, progress in this field at the European XFEL facility is presented, and there will be sufficient time for discussions.

## Programme

### Thursday, 29 January 2015

13:50	<b>Coffee</b>		
14:00	<b>Welcome</b>	Jan Grünert	<i>European XFEL, Hamburg</i>
14:05	Wigner distribution measurement of the spatial coherence properties of FLASH	Tobias Mey	<i>LLG, Göttingen</i>
14:25	Current status of single-shot pulse-length metrology using autocorrelation techniques	Dimitrios Rompotis	<i>University of Hamburg</i>
14:50	Development of on-line spectral and timing diagnostics at SwissFEL	Pavle Juranić	<i>PSI, Villigen</i>
15:15	THz streaking: technical and scientific applications	Adrian Cavalieri	<i>CFEL, Hamburg</i>
15:40	X-ray optics & diagnostics at SACLA and applications to CDI	Changyong Song	<i>RIKEN, Japan</i>
16:05	<b>Coffee Break</b>		
16:30	Polarization monitoring of FEL radiation	Jens Buck	<i>European XFEL, Hamburg</i>
16:55	Gas Based Detectors for FEL Photon Diagnostics	Kai Tiedtke	<i>DESY-FS, Hamburg</i>
17:20	FERMI laser seeding system: general description and latest developments	Alexander Demidovich	<i>FERMI@elettra, Trieste</i>
17:45	A Fast Switching Mirror to precisely direct Photon Beams	Martin Sachwitz	<i>DESY, Zeuthen</i>
18:10-18:30	<b>Discussion/Summary</b>	Jan Grünert	<i>European XFEL, Hamburg</i>
		Marco Zangrando	<i>FERMI@elettra, Trieste</i>
18:30	<b>Closeout / Adjourn</b>		

Registration at [www.xfel.eu/2015-users-meeting](http://www.xfel.eu/2015-users-meeting)