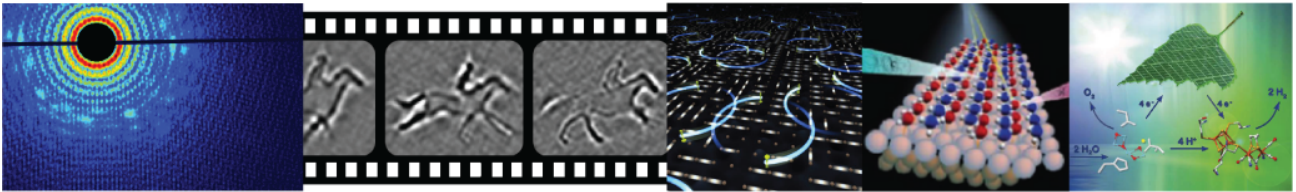


Organizers: Andreas Scherz (XFEL), Alexander Föhlisch (HZB), Ulf Karlsson (KTH)

The workshop addresses the scientific scope, needs, and instrumentation for the Spectroscopy & Coherent Scattering (SCS) instrument operating at soft X-ray wavelengths. SCS will cover applications ranging from nanoscale single-shot imaging, and ultrafast dynamical studies to nonlinear X-ray and time-resolved photoemission spectroscopy. SCS end stations will be presented for imaging, resonant inelastic X-ray scattering and photoelectron spectroscopy. This workshop concludes with a discussion in preparation for the SCS conceptual design report and a coordinated plan for the integration of the diverse instrumentation.



Programme

14:00	Welcome	S. Molodtsov	European XFEL, Hamburg
14:05–14:50	Optics, Detectors, Lasers		
14:05	SASE3/SCS beamline optics	D. La Civita	European XFEL, Hamburg
14:20	Detectors	M. Turcato	European XFEL, Hamburg
14:35	Optical laser	M. Lederer	European XFEL, Hamburg
14:50–15:40	Imaging end-station		
14:50	Conceptual design of imaging end-station	A. Scherz	European XFEL, Hamburg
15:10	Single particle imaging/organelles	A. Barty	CFEL, Hamburg
15:25	Imaging and ultrafast dynamics in solids	J. Lüning	UPMC, Paris
15:40–16:30	hRIXS end-station		
15:40	hRIXS instrumentation	G. Ghiringhelli	Fisica, Politecnico di Milano
16:00	Low-energy excitations in correlated solids	M. Grioni	EPF, Lausanne
16:15	Chemical dynamics	A. Föhlisch	HZB, Berlin
16:30–16:45	<i>Coffee break</i>		
16:45–17:35	trARPES end-station		
16:45	Possible detectors for photoemission at XFEL	R. Ovsyannikov	HZB, Berlin
17:05	<i>science case 1</i>	O. Tjenberg	KTH, Stockholm
17:20	<i>science case 2</i>	K. Rossnagel	U Kiel
17:35–18:35	Meeting of the SCS group with User Consortia (closed session) (Space requirements/placement of endstations, coordination of resources for instrumentation, e.g. sample environments, detectors, and diagnostics)		
18:35	Closeout / Adjourn		