



SCS instrument science and updates

Monday 24 January 2022, 13:00 – 17:40
Virtual Meeting (Zoom)

This satellite meeting will provide an overview of the scientific activities performed over the last three years at the SCS instrument with an outlook to future capabilities. Currently available instrumentation will be presented along with few selected results of user experiments. The aim of this workshop is also to introduce our plans for instrument upgrades. A final roundtable session will provide the user community ample time to discuss with instrument scientists present capabilities and future directions offered by the SCS Instrument.

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13:00	Welcome	Andreas Scherz	European XFEL
	Instrument overview	Andreas Scherz	European XFEL
13:15	X-ray and optical beam delivery and stability	Robert Carley	European XFEL
13:30	Solid and liquid sample environments	Carsten Deiter / Luigi Adriano	European XFEL
13:50	Online and offline data analysis	Cammille Carinan / Loic Le Guyader	European XFEL
14:05	High repetition rate magnetic scattering and holographic imaging	Stefano Bonetti	Stockholm University and Ca' Foscari University of Venice
14:25	Break		
14:40	Towards time-resolved non-perturbative imaging of stochastically recurring dynamics	Felix Büttner	Helmholtz-Zentrum Berlin
15:00	Non-equilibrium self-assembly of spin-wave solitons in FePt nanoparticles	Diego Turenne	Uppsala University
15:20	Special delivery modes at SASE3: two colors, and short pulses	Svitozar Serkez	European XFEL
15:35	X-ray pump X-ray probe absorption spectroscopy of warm dense copper	Laurent Mercadier	European XFEL
15:50	hRIXS and XAS on liquid samples	Benjamin Van Kuiken / Zhong Yin	European XFEL
16:05	Break		
16:20	Breakout rooms for topical exchange on: <ul style="list-style-type: none"> • Special delivery modes: short pulses, nonlinear studies • XAS with transmission grating zone plates • X-ray imaging and SAXS • RIXS and chemistry 		
17:00	Round table discussion / presentation of feedbacks	Giuseppe / Andreas	
17:40	Close out		