



MID workshop: User research and new developments

24th January 2022 / 9:00-17:30

Virtual Meeting (Zoom)

Abstract: The goal of the workshop is to present and discuss recent results obtained by users at the Materials Imaging and Dynamics Instrument (MID). In addition, the instrument's capabilities are presented and an outlook is given towards future new developments. The aim is to allocate ample time for discussions and interactions between potential new user groups, experienced users, and the MID staff scientists

Organizer: Anders Madsen

Contact: anders.madsen@xfel.eu

Date			
time	title	speaker	institution
9:15-9:30	Welcome	Anders Madsen	European XFEL
9:30-10:00	Overview of the MID instrument	Ulrike Boesenberg	European XFEL
10:00-10:30	Data at MID: corrections and analysis	Johannes Möller	European XFEL
Break			
10:45-11:15	Imaging via speckle correlations of X-ray fluorescence	Fabian Trost	CFEL
11:15-11:45	The Effects of High Intensity X-ray Laser Pulses In MHz-XPCS Measurements of Protein Solution Dynamics	Mario Reiser	Stockholm University
11:45-12:15	Microsecond dynamics in complex liquids with MHz XPCS	Francesco Dallari	DESY
Lunch break			
13:30-14:00	First pump-probe femtosecond X-ray diffraction experiments at MID	Roman Shayduk	European XFEL
14:00-14:30	Imaging and scattering of cavitation in water	Tim Salditt	Universität Göttingen
14:30-15:00	PULsed MAGnet field (PUMA) project	Karina Kazarian	European XFEL
Break			
15:15-15:45	Dynamics of charge density waves (tentative)	David Lebolloc'h	LPS Paris
15:45-16:15	Update on the split-and-delay line at MID	Wei Lu	European XFEL
Break			
16:30-17:00	Update on special machine modes: self-seeding, short pulses and harder X-rays at SASE-2	C. Lechner, W. Qin, Y. L. Chen/F. Brinker	European XFEL/ DESY
17:00-17:30	Discussion and close-out		