European XFEL Users' Meeting — Satellite meeting



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

time title speaker institution 9:15-9:30 Welcome Anders Madsen European XFEL 9:30-10:00 Overview of the MID instrument Ulrike Boesenberg Boesenberg 10:00-10:30 Data at MID: corrections and analysis Johannes Möller 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 11:45-12:15 Microsecond dynamics in complex liquids with MHz Francesco Dallari Lunch break 13:30-14:00 First pump-probe femtosecond X-ray diffraction Roman Shayduk 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 Chen/F. Brinker 17:00-17:30 Discussion and close-out				
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