

European XFEL Users' Meeting 2021 — Programme

25–29 January 2021 / Virtual Event

Hamburg/Schenefeld time (CET)

20 - 25 January 2021 - European XFEL Satellite Workshops

Tuesday, 26 January 2021 (14:00-17:00) DESY Photon Science Users' Meeting 2021 — FLASH

Wednesday, 27 January 2021 (09:00-11:00) Scientific Poster Session

Wednesday, 27 January 2021 (11:00-12:40) Joint session EuXFEL & DESY Photon Science Users' Meeting

11:00 – 12:40 Soft X-ray FEL Session *Chair: S. Pascarelli (EuXFEL) / E. Weckert (DESY)*

11:00 Welcome S. Pascarelli / E. Weckert

11:10 Dissociation dynamics of small molecules T. Jahnke EuXFEL

11:40 Observation of an Excitonic Mott Transition Through Ultrafast Core-cum-Conduction Photoemission Spectroscopy M. Dendzik KTH Stockholm

12:10 Direct visualization of spin-lattice coupling in FePt nanoparticles H. Dürr U. Uppsala

12:40 – 13:30 Lunch Break

Wednesday, 27 January 2021 (13:30-19:05) European XFEL Users' Meeting 2021 - Plenary Sessions

13:30 – 14:15 Opening & Update Session *Chair: S. Molodtsov (EuXFEL)*

13:30 Welcome S. Molodtsov EuXFEL

13:35 Opening address from the Council Chair M. Faury CEA Saclay

13:45 Facility Update R. Feidenhans'l EuXFEL

14:00 Accelerator Update W. Decking DESY

14:15 – 15:15 Science Session I *Chair: K. Amann-Winkel (Stockholm U.) / R. Grisenti (GSI)*

14:15 X-ray Ptychography of Charge-Order Domains in High Temperature Superconductors I. Robinson University College London

14:45 Microscopic insight into ultrafast electronic and lattice excitations in metals and correlated oxides A. Eschenlohr U. Duisburg

15:15 – 15:45 Coffee Break

15:45 – 17:30 Science Session II *Chair: S. Bonetti (U. of Venice) / A. Eschenlohr (U. Duisburg)*

15:45 News from User Organization A. Orville DLS

15:55 Young Scientist Award Speaker to be announced

16:30 Stimulated X-ray Raman scattering probed by photon-recoil imaging U. Eichmann MBI Berlin

17:00 Nanoscale subsurface dynamics of solids upon high-intensity laser irradiation observed by femtosecond grazing-incidence x-ray scattering M. Nakatsutsumi EuXFEL

17:30 – 18:00 Coffee Break

18:00 – 19:05 Science Session III *Chair: K. Haldrup (DTU) / M. Naumova (DESY)*

18:00 Visualizing excited state structural and electronic dynamics in cobalamins R. Sension U. of Michigan

18:30 3D diffractive imaging of nanoparticle ensembles using an X-ray laser K. Ayyer MPD

19:00 Close Out S. Pascarelli EuXFEL

Thursday, 28 January 2021 (09:45-12:00) Scientific Poster session

Thursday, 28 January 2021 (13:00-17:30) DESY Photon Science Users' Meeting 2021 — PETRA III / IV

Friday, 29 January 2021 (09:00-13:00) DESY Photon Science Users' Meeting 2021 — Future DESY