



# DESY Photon Science Users' Meeting 2026

## European XFEL Users' Meeting 2026

in Hamburg, Germany

DESY Auditorium (Bldg. 5) & CFEL Foyer (Bldg. 99)



**DRAFT Programme**

**Monday, January 26: Satellite Workshops**

**Tuesday, January 27: European XFEL Users' Meeting & Satellite Workshops**

### POSTER SESSION I

(EuXFEL Campus)

**European XFEL Get Together**

(EuXFEL Campus)

**Wednesday, January 28: DESY Photon Science Users' Meeting (FLASH) & Joint Session & Satellite Workshops**

**08:30 Registration**

|              |                                 |                 |                          |
|--------------|---------------------------------|-----------------|--------------------------|
|              |                                 |                 | <i>Chairperson: N.N.</i> |
| <b>09:00</b> | Welcome                         | Beate Heinemann | DESY Hamburg             |
| <b>09:05</b> | Welcome to the FEL Session      | Britta Redlich  | DESY Hamburg             |
| <b>09:20</b> | FLASH status und strategy       | Markus Gühr     | DESY Hamburg             |
| <b>09:50</b> | FLASH 2020+ Activities - Update | Lucas Schaper   | DESY Hamburg             |

**10:20 - 11:00 Coffee break**

|              |                                                                                           |                |                           |
|--------------|-------------------------------------------------------------------------------------------|----------------|---------------------------|
|              |                                                                                           |                | <i>Chairperson: N.N.</i>  |
| <b>11:00</b> | Nitrogen K-edge Time-Resolved XAS for Probing Photoinduced Dynamics in Azobenzene         | Rebecca Ingle  | University College London |
| <b>11:20</b> | Femtosecond charge and spin dynamics in a Co50Pt50 alloy ( <i>tbc</i> )                   | Martin Pavelka | Uppsala University        |
| <b>11:40</b> | Dynamics of CO Photooxidation to CO <sub>2</sub> on Rutile(110) and Anatase(101) Surfaces | Heshmat Noei   | DESY Hamburg              |
| <b>12:00</b> | Melting, Bubblelike Expansion, and Explosion of Superheated Plasmonic Nanoparticles       | Simon Dold     | European XFEL             |

**12:20 - 14:00 Lunch break**

**14:00-16:00 Synergies between FLASH and EuXFEL (Jointly organised session)**

|              |                                                                                                                   |                  |                          |
|--------------|-------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|
|              |                                                                                                                   |                  | <i>Chairperson: N.N.</i> |
| <b>14:00</b> | Visualizing the Three-Dimensional Arrangement of Hydrogen Atoms in Organic Molecules by Coulomb Explosion Imaging | Alice Green      | University of Edinburgh  |
| <b>14:20</b> | Coulomb-Explosion Imaging und Soft x-ray photoelectron spectroscopy                                               | Fabiano Lever    | DESY Hamburg             |
| <b>14:40</b> | Recent experiments at SXP                                                                                         | Vladimir Strokov | PSI Villigen             |
| <b>15:00</b> | Synergistic ultrafast k-microscopy at FLASH and EuXFEL                                                            | Kai Rossnagel    | CAU Kiel, DESY Hamburg   |

**15:30-19:00 POSTER SESSION II and Vendor exhibition**

**Coffee break (CFEL)**

**until 21:00 DESY Get Together**

**Light dinner (DESY canteen Bldg. 9)**

**Thursday, 29 January: DESY Photon Science Users' Meeting (PETRA III) & Satellite Workshops**

|                      |                                                                                                                        |                                       |                                                 |
|----------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------|
| <b>08:30</b>         | <b>Registration</b>                                                                                                    |                                       |                                                 |
|                      |                                                                                                                        |                                       | <i>Chairperson: N.N.</i>                        |
| <b>09:00</b>         | Welcome and Overview DESY Photon Science                                                                               | Britta Redlich                        | <i>DESY Hamburg</i>                             |
| <b>09:30</b>         | PETRA III Status                                                                                                       | Christian Schroer                     | <i>DESY/Univ. Hamburg</i>                       |
| <b>10:00</b>         | Research with Photons – Light for the Future: News from the KFS (Committee Research with Synchrotron Radiation)        | Christian Gutt (KFS Chair)            | <i>Univ. Siegen (Germany)</i>                   |
| <b>10:15 - 11:00</b> | <b>Coffee break</b>                                                                                                    |                                       |                                                 |
|                      |                                                                                                                        |                                       | <i>Chairperson: N.N.</i>                        |
| <b>11:00</b>         | PETRA IV Update                                                                                                        | Harald Reichert                       | <i>DESY Hamburg</i>                             |
| <b>11:30</b>         | PETRA IV Beamlines - Overview                                                                                          | Kai Bagschik                          | <i>DESY Hamburg</i>                             |
| <b>12:00</b>         | PETRA IV Villages - Introduction of the different villages                                                             | N.N.                                  | <i>DESY Hamburg</i>                             |
| <b>12:50 - 14:10</b> | <b>Lunch break</b>                                                                                                     |                                       |                                                 |
|                      |                                                                                                                        |                                       | <i>Chairperson: N.N.</i>                        |
| <b>14:10</b>         | Report of the 'DESY Photon Science User Committee' (DPS-UC) – <a href="#">Results of the DPS-UC election</a>           | Peter Müller-Buschbaum (DPS-UC Chair) | <i>TU München, Germany</i>                      |
| <b>14:20</b>         | DESY Photon Science User Award 2025 ceremony                                                                           | Heinz Graafsma (Chair Award commit.)  | <i>DESY Hamburg</i>                             |
| <b>14:30</b>         | X-ray Vision - revealing hidden structures with chemical imaging                                                       | Stephen Price                         | <i>Finden Ltd./University of Sheffield (UK)</i> |
| <b>14:50</b>         | Macromolecular assemblies in realistic solution conditions                                                             | Uri Raviv                             | <i>Hebrew University of Jerusalem (Israel)</i>  |
| <b>15:10</b>         | Using X-rays to rejuvenate glasses                                                                                     | Giulio Monaco                         | <i>Univ. Padova (Italy)</i>                     |
| <b>15:30</b>         | Quantum technologies meet functional materials: What X-rays can reveal                                                 | Martina Müller                        | <i>Uni Konstanz (Germany)</i>                   |
| <b>15:50</b>         | Structural features of lignin based thermosets                                                                         | Mats Johansson                        | <i>KTH Stockholm (Sweden)</i>                   |
| <b>16:10</b>         | Catching Matter in the Act: Real-Time Observation of Phase Transformations at Conditions Approaching 1 Mbar and 5000 K | Emma Ehrenreich-Peterson              | <i>DESY Hamburg</i>                             |
| <b>16:30-20:00</b>   | <b>POSTER SESSION III and Vendor exhibition</b>                                                                        |                                       | <b>Coffee break and later snacks (CFEL)</b>     |

**Friday, January 30: Satellite Workshops**