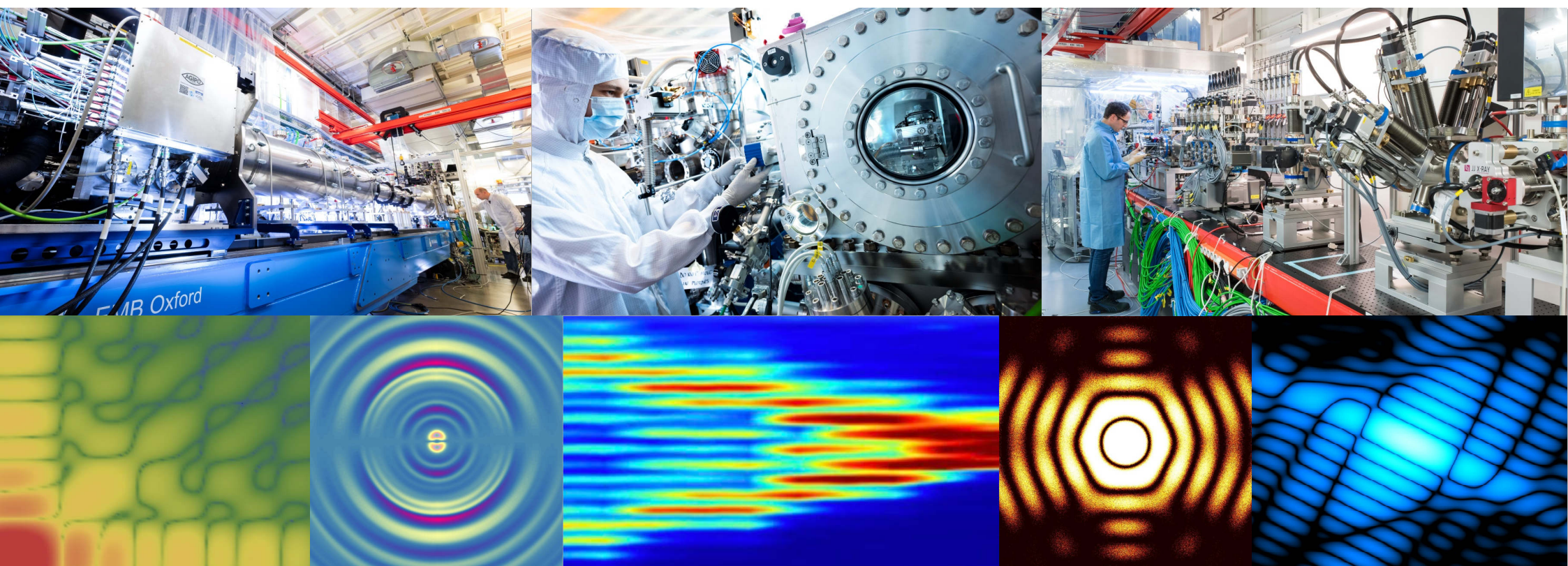


New Scientific Capabilities at European XFEL



25–27 March 2019 / European XFEL, Schenefeld/Hamburg



Scope

At European XFEL two empty tunnels are currently available, which are planned to be upgraded in the mid-term to two new FEL beamlines (SASE4 and SASE5). This deserves a call for a detailed analysis of ideas for facility upgrades, both from technical and scientific side, which would enhance the capabilities of EuXFEL. The workshop "New Scientific Capabilities at European XFEL" will broadly address possible scientific topics related to the SASE4 and SASE5 upgrades.

Scientific Committee

Christian Bressler (European XFEL)
Francesca Calegari (DESY)
Stefan Eisebitt (MBI Berlin)
Robert Feidenhans'I (European XFEL)
Gianluca Geloni (European XFEL)
Anders Madsen (European XFEL)
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Michael Meyer (European XFEL)
Serguei Molodtsov (European XFEL)
Sakura Pascarelli (ESRF)
Thomas Pfeifer (MPIK Heidelberg)
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Jörg Rossbach (Uni Hamburg)
Andreas Scherz (European XFEL)
Thomas Tschentscher (European XFEL)
Ulf Zastra (European XFEL)

Topics

- Coherent imaging
- Structural biology & Single particle imaging
- Chemistry & Catalysis
- Attosecond experiments
- Non-linear phenomena
- Magnetism & Correlated materials
- Longitudinal coherence

Workshop Organizers

Serguei Molodtsov (European XFEL)
Ruslan Kurta (European XFEL)
Sandra Kniehl (European XFEL)

Registration

- <http://indico.desy.de/indico/e/euxfel-new-science>
- Open 15 February - 18 March 2019
- Free of charge for all participants

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