

MONDAY, MARCH 21

09:00 – 10:00	Registration
10:00 – 11:00	Introduction to the meeting. Room: FD5 <i>Anders Nilsson (Workshop logistics)</i> <i>Anders Karlhede (Deputy Vice-Chancellor for Science, Stockholm University)</i> <i>Mats Larsson (Director of the Stockholm-Uppsala Center for Free Electron Laser Research)</i> <i>Jesper Andersen (Science Director at MAX IV Laboratory)</i> <i>Sverker Winer (Possible outlines of SXL at MAX IV)</i>
11:00 – 11:30	Plenary session. Room: FD5 <i>Chair: Anders Nilsson</i> FEL Research and Development at the LCLS, <i>Zhirong Huang</i>
11:30 – 12:00	Control of soft X-ray pulses at the seeded Free Electron Laser FERMI, <i>Enrico Allaria</i>
12:00 – 12:15	Ultrafast Laser Science at the Lund Laser Centre, <i>Per Johnsson</i>
12:15 – 12:30	Opportunities for THz pump / x-ray probe investigations at SXL, <i>Stefano Bonetti</i>
12:30 – 13:30	LUNCH
13:30 – 14:00	Room: FB42 <i>Chair: Michael Odelius</i> Room: FD5 <i>Chair: Oscar Tjernberg</i> Room: FB41 <i>Chair: Jan-Erik Rubensson</i> Probing photochemistry of isolated molecules by short x-ray pulses, <i>Marcus Gühr</i>
14:00 – 14:30	Probing the dynamics of electronic orderings using time-resolved resonant x-ray scattering, <i>Yi-De Chuang</i>
14:30 – 15:00	Multi-Wave Mixing at FERMI, <i>Claudio Masciovecchio</i>
15:00 – 15:30	COFFEE BREAK
15:30 – 16:00	Room: FB42 <i>Chair: Michael Odelius</i> Room: FD5 <i>Chair: Oscar Tjernberg</i> Room: FB41 <i>Chair: Per Johnsson</i> Localization of electrons with x-rays: prospects and challenges, <i>Dennis Nordlund</i>
16:00 – 16:30	Controlling Resonant Soft X-Ray Processes through Stimulation, <i>Joachim Stöhr</i>
16:30 – 17:00	Towards a complete picture of few X-ray photons driven ionization, <i>Raimund Feifel</i>
17:00 – 18:00	BREAKOUT SESSIONS (See details below)
18:00 – 20:00	RECEPTION

TUESDAY, MARCH 22

09:00 – 09:30	Room: FB42 <i>Chair: Henrik Öström</i> Electronic and Structural Dynamics in Metal Complexes enlightened by XFEL Experiments, <i>Martin Meedom Nielsen</i>	Room: FB52 <i>Chair: Stefano Bonetti</i> Femtosecond dynamics of antiferromagnetic spin order in an induced multiferroic, <i>Steve Johnson</i>	Room: FB55 <i>Chair: Tomas Lundqvist</i> Coherent diffractive imaging of giant amoeba viruses, <i>Jonas Sellberg</i>
09:30 – 10:00	Chemical dynamics: From single site to multi centre dynamics, <i>Alexander Föhlisch</i>	Towards controlling spins in space and time, <i>Hermann Dürr</i>	Single particle imaging: the past and the future, <i>Filipe Maia</i>
10:00 – 10:30	Dynamics of electrons at work in solar energy conversion, <i>Villy Sundström</i>	Seeing Spins Move, <i>Stefan Eisebitt</i>	1D crystallography: XFEL imaging of biological assemblies with helical symmetry, <i>Gisela Brändén</i>
10:30 – 11:00	COFFEE BREAK		
11:00 – 13:00	BREAKOUT SESSIONS AMO: FB41 Chemistry: FB42 Condensed Matter: FB52 FEL Science: FB55 Life Sciences: FD41 Novel Spectroscopy: FB51		
13:00 – 14:00	LUNCH		
14:00 – 14:30	Plenary session. Room: FD5 <i>Chair: Mats Larsson</i> Science Opportunities for the LCLS-II High Repetition Rate Soft X-ray Laser, <i>Robert Schoenlein</i>		
14:30 – 15:00	Experimental strategies and research perspectives taking advantage of fully coherent EUV-Soft X-ray FERMI radiation, <i>Maya Kiskinova</i>		
15:00 – 15:30	Soft x-ray science opportunities and instrumentation at European XFEL, <i>Andreas Scherz</i>		
15:30 – 16:00	COFFEE BREAK		
16:00 – 17:30	Plenary Session. Room: FD5 <i>Chair: Anders Nilsson</i> BREAKOUT SESSIONS SUMMARY (15 minutes/group)		

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WEDNESDAY, MARCH 23

Plenary session. Room: FD5

Chair: Mats Larsson

09:00 – 09:30
FLASH - a High Repetition Rate XUV and Soft X-Ray FEL, *Wilfried Wurth*
09:30 – 10:00
SwissFEL: expanding capabilities with ATHOS, *Rafael Abela*

10:00 – 10:30

COFFEE BREAK

10:30 – 12:00 **BREAKOUT SESSIONS**

AMO: FB41
Chemistry: FB42
Condensed Matter: FB52
FEL Science: FB55
Life Sciences: FD41
Novel Spectroscopy: FB51

12:00 – 13:00 **LUNCH**

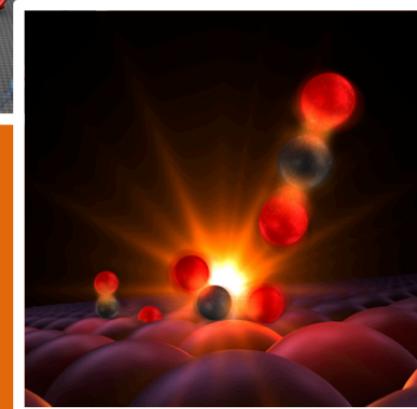
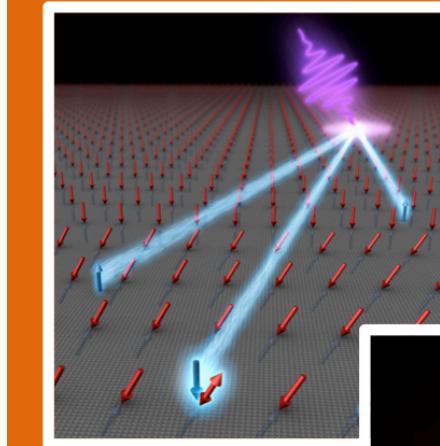
13:00 – 14:30 **Plenary Session. Room: FD5**

Chair: Anders Nilsson

BREAKOUT SESSIONS SUMMARY (15 minutes/group)

14:30 – 14:55 Summary of the meeting, *Ingolf Lindau*

14:55 – 15:00 End of meeting, *Anders Nilsson*



S X L

The Soft X-ray Laser @ MaxIV

*Workshop to Define the Science Case for a
Soft X-ray Laser Beamline at MAX IV*



Albanova University Centre, Stockholm
March 21 – 23, 2016