

Session Program

12-16 Jan 2026

X-ray Sensor Joint Workshop - From Soft to Hard X-rays

Flash Talks

ETH, ML E12
Rämistrasse 101 8092 Zürich Switzerland

Monday 12 January

09:25

Flash Talks

Session | **Location:** ETH, ML E12, Rämistrasse 101 8092 Zürich Switzerland

09:25–09:30 **Detector Development at PSI**

Speaker

Bernd Schmitt

09:30–09:35 **CSXID beamline detectors**

Speakers

David Burn, Luke Turnbull

09:35–09:40 **X-ray sensor development at SINTEF**

Speaker

Marius Mæhlum Halvorsen

09:40–09:45 **Development Activities at PAL-XFEL**

Speaker

Hyojung Hyun

09:45–09:50

XAPPHIRE Pathfinder: R&D towards a High-Rate Unified Detector Platform for Soft- and Hard-X-ray Imaging

Speaker

Prof. Matteo Porro

09:50–09:55 **Detector development activities at MAX IV**

Speaker

Dr Michele Cascella

09:55–10:00

Detector activities at SPring-8/SACLA, and status of NanoTerasu, a new Soft to Tender X-ray synchrotron radiation facility

Speaker

Fabienne Orsini

10:00–10:05 **Sensor development at BNL**

Speaker

GIOVANNI PINAROLI

10:05–10:10

Ultrasoft x-ray NEXAFS with silicon drift detectors at the VLS-PGM Beamline

Speaker

Daniel Correia

10:10–10:15 **Soft X-ray sensor developments at DESY**

Speaker

David Pennicard

10:15-10:20 Activity and technical capability at FBK**Speaker**

Maurizio Boscardin

10:20-10:25 Soft X-ray Microscopy Multimodal Imaging at TwinMic - Elettra**Speaker**

Alessandra Gianoncelli

10:30

11:00

Flash Talks**Session** | **Location:** ETH, ML E12, Rämistrasse 101 8092 Zürich Switzerland**11:00-11:05****Soft X-ray photon counting with an n-type Low Gain Avalanche Detector****Speakers**

Enric Cabruja, Giulio Pellegrini, Milos Manojlovic, Neil Moffat

11:05-11:10**Challenging Needs for Diagnostics for SOLEIL II****Speaker**

Marie Andrä

11:10-11:15**Development of large area pixel array sensors for STARLIGHT****Speakers**

Qionghua Zhai, Xudong JU

11:15-11:20**Capillary-based Soft X-ray Ptychography for Ultimate 4D Spectro-Microscopy with Versatile Sample Environment****Speaker**

Boris V. Sorokin

11:20-11:25**X-ray detector development at the High Energy Photon Source (HEPS)****Speaker**

Wei Wei

11:25-11:30**Towards charge sharing analysis for user operation at the European XFEL****Speaker**

Philip Pfäfflein

11:30-11:35**Research programs and facilities on X-ray sensors and ASICs at SDICLab-Polimi****Speaker**

Giuseppe Bertuccio

11:35-11:40**Detection of Low Energy Electrons Using Medipix Detectors****Speaker**

Rory McFeely

11:40-11:45**Calibration of the DEPFET-based DSSC 1-Megapixel Camera'**

Speaker

Charles Townsend-Rose

11:45-11:50

Beyond CCDs: Monolithic CMOS image sensors for soft X-ray astronomy

Speaker

Thomas Buggy

11:50-11:55

Hybrid a-Se/a-Se and its applications

Speaker

Shiva Abbaszadeh

11:55-12:00

A Generic Line Profile Model for Pixelated X-ray Detectors Incorporating Charge Sharing and Trapping

Speaker

Abhay Kumar

12:00