

X-Ray Detector Workshop

The Way to Get More Out of Your Beamline!



Programme

Thursday 13 February:

Chair: Heinz Graafsma

- 08:00 – 09:00 Registration & Payment (in ESRF foyer)
09:00 – 09:10 Welcome F.Sette
09:10 – 09:25 Introduction H.Graafsma
09:30 – 10:15 Position Sensitive Detectors for Synchrotron Applications - J.Hendrix
10:30 – 11:00 Coffee / Tea

Session I: Users and users perspectives

- 11:00 – 11:20 SAXS/WAXS Detectors: Present Limitations and Future Requirements
- T.Narayanan
11:30 – 11:50 Improvement in Scattering Experiments using Pixel Detectors - J.F.Bérar
12:00 – 12:20 Protein crystallography S.Wakatsuki
12:30 – 14:00 Lunch

Chair: John Morse

Session II: Spectroscopy detectors

- 14:00 – 14:20 Detectors for Energy Dispersive EXAFS (EDE) - J.Headspith
14:30 – 14:50 Avalanche Photo-Diode X-Ray Detectors: Introduction and Recent
Results - A.Baron
15:00 – 15:20 New Semiconductor Materials - A.Owens
15:30 – 16:00 Coffee / Tea
16:00 – 17:00 Beamline Visit (optional)
17:00 – 18:00 Poster Session and Commercial Exhibition with apéritif
20:00 Dinner at the Château de la Commanderie, Eybens.
(Transport provided from/to ESRF Central Building)

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Friday 14 February:

Chair: Menhard Kocsis

Session III: Gas-filled detectors

- 09:00 – 09:20 The Role of Gas-Based Photon Detectors in Synchrotron Experiments - G.Smith
09:30 – 09:50 Study of Micropattern Gaseous Detectors for High Rate X-ray Imaging Applications - V.Peskov
10:00 – 10:20 Overview of Data Acquisition Systems for Gaseous Detectors - W.Helsby
10:30 – 11:00 Coffee / Tea

Chair: Cyril Ponchut

Session IV: Charge Couple Device-based systems

- 11:00 – 11:20 CCD Detectors: What is Important for Good Data? - S.Gruner
11:30 – 11:50 Advances in X-Ray Scintillator Technology - R.Durst
12:00 – 12:20 Sensors; CCD vs CMOS E.Fossum
12:30 – 14:00 Lunch
14:00 – 14:20 Large-Area CCD Detector Systems - R.Hamlin
14:30 – 14:50 High resolution, high energy and high speed - T.Martin

Chair: Thierry Martin

Session V: Other systems

- 15:00 – 15:20 Amorphous Silicon Flat-Panel Detectors for X-Ray Imaging - P.Rohr
15:30 – 16:00 Coffee / Tea
16:00 – 16:20 Pixel detectors M.Campbell
16:30 – 16:50 Cryogenic High-Resolution X-ray Spectrometer Development for Synchrotron Science - S.Friedrich
17:00 – 17:30 General summary and discussions H.Graafsma
17:30 Closing of the Workshop. W.G.Stirling