

Session Program

31 August 2026 to 4 September 2026

PSD14: International Conference on Position Sensitive Detectors

Emerging Technologies

Queen Mary University of London, London, UK, Mile End Campus: Graduate Centre Foyer and Peston
Lecture Theatre

Wednesday 2 September

14:00

Emerging Technologies: Emerging Technologies 1

Session | **Location:** Peston Lecture Theatre | **Convener:** Heli Hietala

14:00–14:20

4H-SiC LGADs: fabrication-stability optimisation using TCAD simulations

Speaker

Tobias Vasiljev

14:20–14:40

SiPMs in direct detection of charged particles for timing: applications and in-SiPM and in-SPAD performance using MIPs

Speaker

Bianca Sabiu

14:40–15:00

Towards a Superconducting Luminometer for FCC-ee: Device Physics, Detector Response, and Beam Performance

Speaker

Dr Vagelis Gkougkousis

15:00–15:20

Design and Performance of Fast Analog Pixel Test Structures for the ALICE ITS3 Upgrade

Speaker

Umberto Savino

15:20–15:40

A novel LGAD design with continuous gain layer: MARTHA

Speaker

Esther Constanze Wais

15:50

Thursday 3 September

09:00

Emerging Technologies: Emerging Technologies 2

Session | **Location:** Peston Lecture Theatre | **Convener:** Aled Horner

09:00–09:20

Self-Quenching 3D Trench Detectors: Geometry-Driven Gain and Fast Timing

Speaker

Prof. Gordana Lastovicka Medin

09:20–09:40

Development and Characterization of TESs and JESs for Ultra-Sensitive Low-Energy Radiation Detection

Speaker

Anastasia Kotsovolou

09:45