

## **Session Program**

**12-17 Sept 2021**

# **PSD12: The 12th International Conference on Position Sensitive Detectors**

## ***Applications in Condensed Matter; Position Sensitive Fast Timing Detectors 2***

University of Birmingham, Teaching and Learning Building  
Edgbaston Campus University of Birmingham B15 2TT UK

## Thursday 16 September

11:30

### Applications in Condensed Matter; Position Sensitive Fast Timing Detectors 2

**Session** |**Location:** University of Birmingham, Teaching and Learning Building, Edgbaston Campus University of Birmingham B15 2TT UK |**Conveners:** Nigel Watson, Dhiren Kataria

11:30–11:55

#### X-ray detectors at the Diamond Light Source, evolution and future challenges (in-person)

**Speaker**

Dr Nicola Tartoni

**Location**

in-person

12:00–12:15

#### Development of a single-photon imaging detector with pixelated anode and integrated digital readout

**Speaker**

Dr Nicolo Vladi Biesuz

**Location**

University of Birmingham, Teaching and Learning Building, Edgbaston Campus University of Birmingham B15 2TT UK

12:20–12:35

#### A Novel Ultra-High-Speed CMOS Image Sensor Implementation with Variable Spatial and Temporal Resolution using Temporal Pixel Multiplexing

**Speaker**

Deividas Krukauskas

**Location**

in-person

12:40–12:55

#### Precise timing and recent advancements with segmented anode PICOSEC Micromegas prototypes (in-person)

**Speaker**

Dr Ioannis Manthos

**Location**

in-person

13:00