

Session Program

8-13 Jun 2025



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2025 CAP Congress / Congrès de l'ACP 2025
(DAPI) T2-1 | (DPAI) Applied Physics

Tuesday 10 June

14:15

(DAPI) T2-1 | (DPAI) Applied Physics

Session

14:15–14:30

Photon-to-Digital Converters - A 3D Integrated Digital SPAD Array Sensor for Photon Counting with High Timing Precision

Speaker

Prof. Serge Charlebois

14:30–14:45

Development of a Portable Mobile X-ray System with Carbon Nanotube (CNT) Technology for Improved Diagnostic Imaging in ICU Settings

Speaker

Gavin Lyda

14:45–15:00

Consumer grade CMOS cameras as energy dispersive soft x-ray detectors

Speaker

Zachary Arthur

15:00–15:15

Radial TRASE: A 2D Slice-Selective RF Encoding MRI System

Speakers

Christopher Sedlock, Prof. Jonathan Sharp

15:15–15:30

Leveraging Water-Cherenkov Experiment Experience for Drinking Water Monitoring

Speaker

Benjamin Randolph Smithers

15:45