

## **Session Program**

**21-26 Jun 2026**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

**2026 CAP Congress / Congrès de l'ACP 2026**

***(DAMOPEC) M1-3 | (DPAMPC)***

U. Ottawa - Learning Crossroads (CRX) Building  
100 Louis-Pasteur Private, Ottawa, ON K1N 9N3

# Monday 22 June

10:15

## (DAMOPC) M1-3 | (DPAMPC)

**Session** |

**Location:** U. Ottawa - Learning Crossroads (CRX) Building, 100 Louis-Pasteur Private, Ottawa, ON K1N 9N3

10:15-10:30

**Enhanced THz gas spectroscopy using hollow-core THz fibre.**

**Speaker**

SUBHROJYOTI BHATTACHARYA

10:30-10:45

**Real-time pump-probe characterization of laser-induced glucose melting.**

**Speaker**

SUBHROJYOTI BHATTACHARYA

10:45-11:00

**Nonlinear guided-wave terahertz generation and detection for high-speed communications**

**Speaker**

HESAM HEYDARIAN

11:00-11:15

**Terahertz spectroscopy over 25 THz bandwidth enabled by BNA crystals and a single-ring-fiber pulse compressor**

**Speaker**

Wei Cui

11:15-11:30

**Efficient THz-to-NIR upconversion in BNA for quantum-level THz detection**

**Speaker**

Aswin Vishnu Radhan

11:30-11:45

**THz high-harmonic generation in graphene-based materials: from engineered THG enhancement to symmetry-forbidden emission**

**Speaker**

Ali Maleki

11:45-12:00

**Towards fast and sensitive terahertz detection for high-speed wireless communications**

**Speaker**

Eeswar Yalavarthi

12:00