

## **Session Program**

**21-26 Jun 2026**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

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

***(DQI) M3-5 | (DIQ)***

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

# Monday 22 June

16:15

## (DQI) M3-5 | (DIQ)

Session |

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

16:15-16:30

### Strain-mediated control of hole double quantum dot states using surface acoustic waves in non-piezoelectric materials

Speaker

Mr Yousef Karimi Yonjali

16:30-16:45

### Zeeman and Hyperfine Effects in Diamond Magnetometry

Speaker

William Davis

16:45-17:00

### Finite-Size Effects in Quantum Metrology at Strong Coupling: Microscopic vs Phenomenological Approaches

Speaker

Ali Pedram

17:00-17:15

### Polarization performance of a dual rail warm Rb QMem

Speaker

Kenneth Gregory

17:15-17:30

### Exponential onset of scalable entanglement via twist-and-turn dynamics in XY models

Speaker

Dr Meenu Kumari

17:30