

Session Program

8-13 Jun 2025



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2025 CAP Congress / Congrès de l'ACP 2025

***(DAMOPC) M2-3 Spectroscopy Applications |
Applications de la spectroscopie (DPAMPC)***

Monday 9 June

14:15

(DAMOPC) M2-3 Spectroscopy Applications | Applications de la spectroscopie (DPAMPC)

Session

14:15-14:30 **Toward a high-accuracy quantum gravimeter using ultra-cold atoms**

Speaker

Timothy Hunt

14:30-14:45
Tunable domain-wall dynamics in multi-domain spin structures in an ultracold 87Rb gas

Speaker

Olha Farion

14:45-15:00
Tri-Modal Mosquito Bite Needle Endoscopy (MBNE) for Breast Cancer Diagnostics

Speaker

Kate Dingle

15:00-15:15
Confocal Microscopy and Tri-modal Optical Imaging for Breast and Thyroid Cancer Detection

Speaker

Alex D'Ippolito

15:15-15:30
Painted optical potentials for rapid evaporative cooling of neutral atoms

Speaker

Cristian Ramirez Rodriguez

15:45