

## Session Program

Jun 5 - 11, 2022



Canadian Association  
of Physicians

Association canadienne  
des physiciens et physiciennes

**2022 CAP Congress / Congrès de l'ACP 2022**

***DAMOPC Poster Session & Student Poster  
Competition (9) | Session d'affiches DPAMPC  
et concours d'affiches étudiantes (9)***

McMaster University

## Tue, June 7

5:30 PM

### DAMOPC Poster Session & Student Poster Competition (9) | Session d'affiches DPAMPC et concours d'affiches étudiantes (9)

Session | Location: McMaster University, MUSC Marketplace

5:30 – 5:32 PM (G\*) (POS-1) Femtosecond Pulse Compression Using Liquid Alcohols

**Speaker**

Jake Stephen

5:32 – 5:34 PM

(G\*) (POS-2) High-Harmonic Sidebands for Time-Resolved Spectroscopy

**Speaker**

Nathan Drouillard

5:34 – 5:36 PM

(G\*) (POS-3) Quantum catastrophes in a rotating Bose-Einstein condensate

**Speaker**

Denise Kamp

5:36 – 5:38 PM

(G\*) (POS-4) Wavelength-multiplexed entanglement-based quantum key distribution

**Speaker**

Stephane Vinet

5:38 – 5:40 PM

(G\*) (POS-5) Transmission of near-infrared time bin encoded entangled photons through a 3.5km telecom fiber

**Speaker**

Ramy Tannous

5:40 – 5:42 PM

(G\*) (POS-6) Active Phase Compensation of Polarization Encoded Photons in Quantum Key Distribution

**Speakers**

Wilson Wu, Kimia Mohammadi

5:42 – 5:44 PM

(G\*) (POS-7) Search for Light Bosons with King and Super-King Plots Optimized for  $\text{Li}^{\wedge} + \$$ .

**Speakers**

Harvir Dhindsa, Victor Marton

5:44 – 5:46 PM

(G\*) (POS-8) Quantum Control of Trapped Ions Using Krotov's Algorithm

**Speaker**

Zachary Manson

5:46 - 5:48 PM

**(G\*) (POS-9) Demonstrating Novel Quantum Control With Ultracold Atoms**

**Speaker**

Logan Cooke

7:00 PM