

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024

***DAMOPC Poster Session & Student Poster
Competition (10) | Session d'affiches DPAMPC
et concours d'affiches étudiantes (10)***

Western University

Tuesday 28 May

17:45

DAMOPC Poster Session & Student Poster Competition (10) | Session d'affiches DPAMPC et concours d'affiches étudiantes (10)

Session | **Location:** Western University, PAB Hallways

17:45-17:47

(G*) (POS-57) Towards superfluid flow experiments with periodic boundary conditions

Speaker

Forouzan Forouharmanesh

17:47-17:49

(G) (POS-55) Interatomic Coulombic Decay in slow He⁺⁻ and He²⁺⁻ Ne₂ collisions

Speaker

Darij Starko

17:49-17:51

(UG*) (POS-52) Comparison of Pulse-Propagation Equations using Raman Effect and Kerr Instability Amplification

Speaker

Fadi Farook

17:51-17:53

(G*) (POS-51) Deployable quantum memory systems in optical communications

Speakers

Kenneth Gregory, Mr Konrad Socha

17:53-17:55

(G) (POS-50) Nonrelativistic Eigenvalues and QED Effects for the High- n Rydberg States of Helium

Speaker

Dr Gordon Drake

17:55-17:57

(G*) (POS-49) Photodetector for biosensing: Dye sensitized solar cells for hemoglobin quantification

Speaker

Mr Sergio Majluf Suarez

17:57-17:59

(G*) (POS-58) Fabrication and surface chemistry of uranium oxide films for α -irradiation experiments

Speaker

Hossein Amiriyarahmadi

17:59-18:01

(G*) (POS-56) An Integrated Machine Learning Strategy for Estimating the Optimal Process Conditions in Femtosecond Laser-induced Microporous Structures

Speaker

Jun Ren

18:01-18:03

(G) (POS-54) Quantifying radiolysis effects for in-situ Rutherford backscattering spectrometry (RBS)

Speaker

Hunter Feltham

18:03-18:05

(UG*) (POS-53) Multimodal approach towards to hydrogen depth profiling

Speaker

Casee Griffith

19:15