

## **Session Program**

**26-31 May 2024**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

## **2024 CAP Congress / Congrès de l'ACP 2024**

***DPP Poster Session & Student Poster  
Competition (7) | Session d'affiches DPP et  
concours d'affiches étudiantes (7)***

Western University

## Tuesday 28 May

17:45

### DPP Poster Session & Student Poster Competition (7) | Session d'affiches DPP et concours d'affiches étudiantes (7)

Session | Location: Western University, SSC Hallways

17:45-17:47

**(G) (POS-15) Characterization of Capacitively-Coupled radio-frequency argon discharge: comparison between the pristine, dusty and misty plasma regimes**

**Speaker**

Luis Arturo Valdovinos Aguilar

17:47-17:49

**(G\*) (POS-14) Optical and X-ray imaging of a millimeter-scale spark discharge initiated at the water-heptane interface.**

**Speaker**

Audren Dorval

17:49-17:51

**(G) (POS-12) Innovative Carbon Dioxide Removal from the Air Utilizing Methane Dry Reforming via Plasma Technology**

**Speaker**

Hadi Davari

17:51-17:53

**(G\*) (POS-16) Laser Induced Fluorescence (LIF) investigations of inductively coupled plasma used for plasma immersion ion implantation (PIII)**

**Speaker**

Mrs Marilyn Jimenez

17:53-17:55

**(G\*) (POS-13) Unraveling Plasma Acceleration in Low- $\beta$  Environments: Insights from MHD and PIC Simulations**

**Speaker**

Jasmin Deguire

17:55-17:57

**(POS-11) Quality Assessments of Peanuts Treated with High Voltage Atmospheric Cold Plasma (HVACP)**

**Speaker**

Wei Cao

17:57-17:59

**(POS-10) Effect of High Voltage Atmospheric Cold Plasma on Aspergillus flavus Inactivation and Aflatoxin B1 reduction on Inoculated Raw Peanuts**

**Speaker**

Wei Cao

19:15