

Session Program

21-26 Jun 2026



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

2026 CAP Congress / Congrès de l'ACP 2026 ***(DPP) W1-12 Fundamental plasmas theory & experiment | Théorie et expérimentation des plasmas fondamentaux (DPP)***

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

Wednesday 24 June

10:15

(DPP) W1-12 Fundamental plasmas theory & experiment | Théorie et expérimentation des plasmas fondamentaux (DPP)

Session |

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

10:15-10:45

From Micro-Scale Instabilities to Anomalous Macroscopic Transport: A High-Fidelity Kinetic Numerical Approach

Speaker

Prof. Loïc SCHIESKO

10:45-11:15

Impact of electromagnetic turbulence and dissipation in magnetic reconnection

Speaker

Richard Sydora

11:15-11:30

Experimental and numerical investigation of nanosecond discharges in air gap with hemispherical dielectric layer

Speaker

Mahdi Miloud Mohamed Boussa

11:30-11:45

Effect of the chain of multiple water droplets on the propagation of a nanosecond pulsed plasma discharge at atmospheric pressure

Speaker

Ms Valentina Riazantceva

11:45-12:00

DRAGONS: New Insights into Galactic Magnetism

Speaker

Jo-Anne Brown

12:00