

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) W1-5 Plasma Physics and Technology | Physique et technologie des plasmas (DPP)

Western University

Wednesday 29 May

08:15

(DPP) W1-5 Plasma Physics and Technology | Physique et technologie des plasmas (DPP)

Session | **Location:** Physics & Astronomy Bldg., Western U., PAB Rm 150 (cap. 48) | **Convener:** Stephan Reuter

08:15-08:45

Plasma technologies for electrification: Where we are, where we're headed

Speaker

Sylvain Coulombe

08:45-09:15

Ultrasensitive E-FISH-based Picosecond DC Electric Field Measurements in Atmospheric Pressure Air

Speaker

Marien Junior Simeni Simeni

09:15-09:30

(G*) Electrical and Optical Investigation of Atmospheric Pressure Streamer-Spark Discharge in Pin-to-Droplet-to-Pin Configuration: Impact of Electrical Conductivity

Speaker

Mr Lyes Sebih

09:30-09:45

(G*) Spatial and Temporal Investigation of Equilibrium and Non-Equilibrium Regimes in the Gliding Arc Discharge

Speaker

Ester Kriz

09:45-10:00

(G*) Application of Bayesian Techniques to Optical Emission Spectroscopy: Estimation of electron density evolution through time-integrated H α and validation via time-resolved measurements.

Speaker

Audren Dorval

10:00