Session Program

7-12 Jun 2020



Canadian Association of Physicists

Association canadienne des physiciens et physiciennes

2020 CAP Virtual Sessions / Sessions virtuelle de l'ACP 2020

DPP-1 : Plasma Physics Symposium

Virtual Platforms

Monday 8 June

10:00-10:10 Welcome and Introduction 10:10-10:45 Magnetic Reconnection in Magnetized Hot Plasmas Speaker Dr Magali Muraglia 10:45-11:20 Dust nucleation in very-low pressure plasmas Speaker Dr Richard Clergereaux 11:20-11:55 Processory Pr Denis St-Onge Dist of the tokamak pedestal Speaker Dr Denis St-Onge 12:00-12:15 Break 12:00-12:15 Break 12:15-12:35 Added to the tokamak pedestal Speaker Denis St-Onge 12:00-12:15 Break 12:15-12:35 Added to the tokamak pedestal Speaker Microwave Plasma CVD Speaker Microwave Plasma CVD Speaker Microwave Plasma CVD Speaker Microwave Plasma CVD Speaker Microwave plasma streamer induced by nanosecond lischarges at the water surface Speaker Microwave plasma streamer induced by nanosecond lischarges at the water surface Speaker Microwave plasma streamer induced by nanosecond lischarge in with james Diamond 12:55-13:15 Joon-equilibrium nature of argon-based radiofrequency and microwave plasmithmospheric pressure evidenced by hyper	Session Loc	ation: Virtual Platforms Convener: Lenaic Couedel
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13:20-13:40

Ultra-high-resolution optical absorption spectroscopy using a supercontinuum laser combined with a widely tunable filter and a hyperfine spectrometer

Speaker

Antoine Durocher-Jean

13:40-14:00 Break

14:00-14:35

Modification of cellulose-based materials and nanomaterials by cold, atmosphericpressure plasma treatments

Speaker

Prof. Luc Stafford

14:35-15:10

Kinetic simulations of electron transport in plasmas relevant for fusion and space applications

Speaker

Salomon Janhunen

15:10-15:30

Turbulence and anomalous electron transport in the Electron Cyclotron Drift Instability

Speaker

Ms M. Jimenez

15:30-15:50

A study of the behaviour of dispersed tungsten micro particles in the STOR-M tokamak

Speaker

Mr Nathan Nelson

15:50-15:55 Plasma Acceleration in the Magnetic Nozzle

Speaker

Andy Sabo

15:55-16:00 Spatial and time-resolved characterization of HiPIMS spokes

Speaker

Mr Alex Chang

16:00-16:15 Break

16:15-16:50

Warm dense matter studies using ultrafast optical and extreme ultraviolet laser pulses

Speaker

Ying Tsui

16:50-17:25 Laser plasma interactions in fusion scale plasmas

Speaker

Jason Myatt