

## **Session Program**

**6-11 Jun 2021**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

## **2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021**

### ***R2-6 Contributed Talks V (DCMMP) / Conférences soumises V (DPMCM)***

Underline Conference System

## Wednesday 9 June

12:45

### R2-6 Contributed Talks V (DCMMP) / Conférences soumises V (DPMCM)

**Session** | **Location:** Underline Conference System | **Convener:** Michel Gingras

12:45–12:48

#### Fundamental study of plasma-graphene interactions in Argon/B<sub>2</sub>H<sub>6</sub> plasma

##### Speaker

Dr Pierre Vinchon

12:48–12:50

#### Questions & answers

12:50–12:53

#### (G\*) Semi-metal insulator phase transitions in graphene - the role of anisotropy

##### Speaker

Brett Meggison

12:53–12:55

#### Questions & answers

12:55–12:58

#### (G\*) N-heterocyclic carbene adsorption and self-assembly on Au(111): Fine-tuning the binding mode

##### Speaker

Ryan Groome

12:58–13:00

#### Questions & answers

13:00–13:03

#### (G\*) The Journey of a single polymer chain to a nanopore

##### Speaker

Mr Navid Afrasiabian

13:03–13:05

#### Questions & answers

13:05–13:08

#### Tradeoffs for reliable quantum information storage from graph invariants

##### Speaker

Mr Nouédyn Baspin

13:08–13:10

#### Questions & answers

13:10–13:13

#### (G\*) Effective Charges in Entropy Stabilized Oxides

##### Speaker

Tahereh Afsharvosoughi

13:13–13:15

#### Questions & answers

13:15–13:18

#### (G\*) Negative Differential Resistance in Carbon-based Cryogenic Composite Nanomaterials

**Speaker**  
Victor Wong

13:18–13:20 **Questions & answers**

13:20–13:23

**(G\*) High carrier mobility and anisotropic electronic structure in double-helix SnIP nanowires**

**Speaker**  
David Purschke

13:23–13:25 **Questions & answers**

13:30