

## **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**

### ***R3-5 Contributed Talks VI (DCMMP) / Conférences soumises VI (DPMCM)***

Underline Conference System

## Wednesday 9 June

15:45

### R3-5 Contributed Talks VI (DCMMP) / Conférences soumises VI (DPMCM)

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

15:45–15:48 **Inferring potentials in a feedback-trap using machine learning**

**Speaker**

Prithviraj Basak

15:48–15:50 **Questions & answers**

15:50–15:53

**(G\*) Moiré patterns in graphene and transition metal dichalcogenide heterostructures**

**Speaker**

Laurent Molino

15:53–15:55 **Questions & answers**

15:55–15:58

**(G\*) Towards 2D materials as Quantum Nano-Electromechanical Systems**

**Speaker**

Nathan Eddy

15:58–16:00 **Questions & answers**

16:00–16:03

**Control of Aryldiazonium Reactions on Graphene Field-Effect Transistors**

**Speaker**

Anouk Béraud

16:03–16:05 **Questions & answers**

16:05–16:08 **(G\*) Theoretical study of strain and superconductivity in Sr<sub>2</sub>IrO<sub>4</sub>**

**Speaker**

Lena Engström

16:08–16:10 **Questions & answers**

16:10–16:13

**Quantum Many-body Scars seen through the lens of Entanglement Spectroscopy.**

**Speaker**

Martin Schnee

16:13–16:15 **Questions & answers**

16:15–16:18 **Electrostatically gated quantum dots in van der Waals materials**

**Speaker**

Justin Boddison-Chouinard

16:30

16:18-16:20

**Questions & answers**