

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 Sr₂IrO₄**

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**

16:30

Speaker

Justin Boddison-Chouinard

16:18-16:20

Questions & answers