

## **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**

### ***W2-9 Contributed Talks II (DCMMP) / Conférences soumises II (DPMCM)***

Underline Conference System

## Tuesday 8 June

12:45

### W2-9 Contributed Talks II (DCMMP) / Conférences soumises II (DPMCM)

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

12:45-12:48

#### Valley-controlled transport in graphene/WSe<sub>2</sub> heterostructures under an off-resonant polarized light

**Speaker**

Muhammad Zubair

12:48-12:50

#### Questions & answers

12:50-12:53

#### Coherence transfer in two-pulse double quantum (DQ) and five-pulse double-quantum modulation (DQM) sequences in EPR: Orientation selectivity and distance measurement

**Speaker**

Hamidreza Salahi

12:53-12:55

#### Questions & answers

12:55-12:58

#### Electronic transport properties of tailored two dimensional materials for chemical sensors

**Speaker**

Ms Maryam Abarashi

12:58-13:00

#### Questions & answers

13:00-13:03

#### Modeling Amorphous Silicon Using Neural Networks

**Speaker**

Dr mojde fadaie

13:03-13:05

#### Questions & answers

13:05-13:08

#### Reducing Majorana Hybridization via Periodic Driving

**Speaker**

Brett Min

13:08-13:10

#### Questions & answers

13:10-13:13

#### Identifying and Isolating Flat Bands in 2D Systems

**Speaker**

Jun Hyung Bae

13:13-13:15

#### Questions & answers

13:15-13:18

#### Symmetry Breaking Effects of Instantons in Parton Gauge Theories

**Speaker**  
Shankar Ganesh

13:18-13:20 **Questions & answers**

13:20-13:23

**Interplay Between Electrostatic and Hydrophobic Interactions in Aqueous Dispersions of OSA-Modified Phytoglycogen Nanoparticles**

**Speaker**  
Ms Carley Miki

13:23-13:25 **Questions & answers**

13:30