

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

M3-8 Applied Physics (DAPI) / Physique appliquée (DPAI)

Underline Conference System

Monday 7 June

15:45

M3-8 Applied Physics (DAPI) / Physique appliquée (DPAI)

Session | **Location:** Underline Conference System | **Convener:** Steffon Luoma

15:45–15:50 **Robust Design from Systems Physics**

Speaker

Prof. Greg van Anders

15:50–15:55

Functionalized surfaces of graphene field effect transistors for gas sensing

Speaker

Dr Natalia Alzate-Carvajal

15:55–16:00

Development of graphene-based field-effect transistor (GFET) sensors for a simulant of chemical warfare agents

Speaker

Dr Ranjana Rautela

16:00–16:05

Optically enhanced gas sensing performance of graphene field effect transistors

Speaker

Dr Jaewoo Park

16:05–16:10

Multilayer Graphene as Adaptive Thermal Camouflage

Speaker

Saher Hamid

16:10–16:15

Fourier-transform infrared spectroscopy of alkanethiol self-assembled monolayers formed on digitally photocorroded surfaces of (001) GaAs

Speaker

Mr René St-Onge

16:15–16:20

Measuring water depth on an inclined road

Speaker

Louis Poirier

16:20–16:25

(G*) Molybdenum stable isotope measurements of petroleum coke in the Athabasca Oil Sands Region

Speaker

Courtney Kruschel

16:25–16:30

(G*) Self-witnessing coherent imaging for artifact removal and noise filtering in laser keyhole welding

16:30

Speaker
Tessa Krause