

Session Program

2-7 Jun 2019



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2019 CAP Congress / Congrès de l'ACP 2019

***M2-1 Interaction Between Matter and Light
(DAMOPC) | Interaction de la matière et de la
lumière (DPAMPC)***

Simon Fraser University

Monday 3 June

13:15

M2-1 Interaction Between Matter and Light (DAMOPC) | Interaction de la matière et de la lumière (DPAMPC)

Session | Location: Simon Fraser University, BLU 10011 | Convener: Dr Gautam Das

13:15-13:45

Novel AFM-Intermodulation Technique for Nanoscale Characterization of Surface Properties

Speaker

Nisha Rani Agarwal

13:45-14:00 Gas Cell Based on Hollow-Core Fiber for Trace Gas Detection

Speaker

Mr Joshua Trevisanutto

14:00-14:15

Light-cone like spreading of correlations in the Bose-Hubbard model at strong coupling

Speaker

Matthew Fitzpatrick

14:15-14:30

Do the temperature dependencies of spectral line parameters change when we approach cryogenic temperatures?

Speaker

Adriana Predoi-Cross

14:30-14:45

Epitaxial Growth of Single Crystal Noble Metals for Plasmonic and Nanophotonic Applications

Speaker

Dr Sasan V. Grayli

14:45