

Session Program

18-23 Jun 2023



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2023 CAP Congress / Congrès de l'ACP 2023

***(DAMOPC) M3-2 Atomic- and molecular
physics - laser spectroscopy | Physique
atomique et moléculaire - spectroscopie laser
(DPAMPC)***

University of New Brunswick

Sunday 18 June

16:00

(DAMOPC) M3-2 Atomic- and molecular physics - laser spectroscopy | Physique atomique et moléculaire - spectroscopie laser (DPAMPC)

Session | Location: Rm. 303 (max. 100), UNB Tilley Hall | Convener: Jens Lassen

16:00-16:15

Spinning the Top at the Light Source - Torsional FTIR Synchrotron Spectra of the CD3SH Species of Methyl Mercaptan

Speaker

Ronald Lees

16:15-16:30

(G*) Optical fiber probe for the detection of chemicals: Rhodamine 6G and Crystal Violet

Speaker

Ms Navneet Kaur

16:30-16:45

(G*) Passively Q-Switched fiber laser using an aqueous solution of gold nanorods and poly vinyl alcohol as a saturable absorber

Speaker

Ms Varsha Varsha

16:45-17:00

(G*) Laser Based Studies of Iron Monohydride (FeH): New Electronic States and Zeeman Spectroscopy in Support of Exoplanet Research

Speaker

Timothy Blackmore

17:00-17:15

(G*) The $A^2\Pi_{1/2} - X^2\Sigma^+$ Transition in YbOD, a Molecule of Interest in the Search for Physics Beyond the Standard Model

Speaker

Nicholas Caron

17:15-17:45

discussion & networking

17:45