

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

W3-1 Quantum Information: Theory (DAMOPC) / Information quantique: théorie (DPAMPC)

Underline Conference System

Wednesday 9 June

15:45

W3-1 Quantum Information: Theory (DAMOPC) / Information quantique: théorie (DPAMPC)

Session | **Location:** Underline Conference System | **Convener:** Jens Lassen

15:45–15:50

(I) Quantum Information Processing With Superconducting Circuits

Speaker

Prof. Alexandre Blais

15:50–15:55

(I) Realizing a perfect quantum transduction by applying a bad transducer twice

Speaker

Prof. Hoi-Kwan (Kero) Lau

15:55–15:59

(G*) High-performance information engine.

Speaker

Mr Tushar K. Saha

15:59–16:03

(G*) Accurate numerical method for the calculation of the doubly excited states in atoms

Speaker

Marc-André Albert

16:03–16:07

(G*) Waveguide QED toolboxes for universal quantum matter

Speaker

Mr Jacob Taylor

16:07–16:11

(U*) Quantum Control of Trapped Ions using Stimulated Raman Adiabatic Passage

Speaker

Zach Manson

16:11–16:15

(G*) Wigner negativity in spin-j systems

Speaker

Jack Davis

16:15–16:19

Broadband quantum memory in a cavity via zero spectral dispersion

Speaker

Arina Tashchilina

16:19–16:30

Group discussion

16:30