

## Session Program

2-7 Jun 2019



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

**2019 CAP Congress / Congrès de l'ACP 2019**

***W2-2 Quantum Information (DAMOPC/DTP) |  
Information quantique (DPAMPC/DPT)***

Simon Fraser University

## Tuesday 4 June

13:15

### W2-2 Quantum Information (DAMOPC/DTP) | Information quantique (DPAMPC/DPT)

**Session** | **Location:** Simon Fraser University, BLU 10011 | **Convener:** Karl-Peter Marzlin

13:15-13:45

#### Investigation of radiation damage centers in highly isotopically enriched silicon-28 as potential single spin qubits accessible via spin/photon coupling

**Speaker**

Prof. Mike Thewalt

13:45-14:15

#### Quantum optics approaches for quantum networks and other applications

**Speaker**

Christoph Simon

14:15-14:30

#### Quantum cryptography in realistic conditions with structured photons

**Speaker**

Alicia Sit

14:30-14:45

#### Experimental demonstration of a quantum optics solution to the partition problem

**Speaker**

Felix Hufnagel

14:45