

## Session Program

21-26 Jun 2026



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

## 2026 CAP Congress / Congrès de l'ACP 2026

***W3-3 SYMPOSIUM: Advancing Quantum  
Simulation based on 2 Dimensional Materials  
Through Canadian Collaboration | Faire  
progresser la simulation quantique basée  
sur les matériaux bidimensionnels grâce à  
une collaboration canadienne***

U. Ottawa - Learning Crossroads (CRX) Building  
100 Louis-Pasteur Private, Ottawa, ON K1N 9N3

## Wednesday 24 June

16:15

### **W3-3 SYMPOSIUM: Advancing Quantum Simulation based on 2 Dimensional Materials Through Canadian Collaboration | Faire progresser la simulation quantique basée sur les matériaux bidimensionnels grâce à une collaboration canadienne**

**Session** |

**Location:** U. Ottawa - Learning Crossroads (CRX) Building, 100 Louis-Pasteur Private, Ottawa, ON K1N 9N3

16:15-16:45

#### **Reconfigurable moiré interfaces: A scanning van der Waals microscope for in-situ twist control and quantum transport**

**Speaker**

Sergio de la Barrera

16:45-17:15

#### **Quantum Circuits based on 2D Semiconductors**

**Speaker**

Justin Boddison-Chouinard

17:15-17:45

#### **Bilayer Graphene Quantum Dots as Quantum Simulators of Haldane Topological Quantum Matter**

**Speaker**

Daniel Miravet

17:45