Poster Presentations

**Presenter:** Simon Axelrod, University of Toronto  
**Title:** Isomerization of biological retinal: an ultra-fast quantum coherent process?

**Presenter:** Michal Bajcsy, IQC, University of Waterloo  
**Title:** Metastable xenon in a hollow-core photonic-crystal fibre

**Presenter:** Iva Bezděková, Czech Technical University in Prague  
**Title:** Suitable bases for quantum walks with Wigner coins

**Presenter:** Salil Bedkihal, Griffith University  
**Title:** Coherence is not Catalytic

**Presenter:** Aharon Brodutch, University of Toronto  
**Title:** An operational framework for weak values

**Presenter:** Matthew A. Broome, Niels Bohr Institute, University of Copenhagen  
**Title:** Cluster State Generation with Quantum Dots in Nanostructures

**Presenter:** Edwin Camilo Chaparro Sogamoso, Universidad Nacional de Colombia  
**Title:** Single plane minimal tomography of double slit qubits

**Presenter:** Grace Field, University of Toronto  
**Title:** Reflectionless Tunnelling for Bose-Einstein Condensates

**Presenter:** Johannes Floss, University of Toronto  
**Title:** Towards determining the dimension of a quantum state

**Presenter:** Noah Gladstein, University of Toronto  
**Title:** A Proposal for Measuring a Quantum State in Violation of the Pigeonhole Principle

**Presenter:** Aaron Goldberg, University of Toronto  
**Title:** What do the Stokes parameters really tell us?

**Presenter:** Sumit Goswami, University of Calgary  
**Title:** Non-destructive detection of a single photon in rare-earth ion doped crystals

**Presenter:** Jérémy Kelly-Massicotte, Perimeter Institute for Theoretical Physics  
**Title:** Spectral Purity of Heralded Single Photons
Presenter: Michael Kilgour, University of Toronto
Title: Advancing Path Integral Techniques for Simulations of Quantum Dissipation and Transport

Presenter: Jonathan Lavoie, University of Oregon
Title: Two-Dimensional Fluorescence Spectroscopy with Entangled Photon Pairs

Presenter: Zacharie Léger, University of Toronto
Title: State Engineering with Integrated Photonic Circuits

Presenter: Juan J. Omiste, University of Toronto
Title: Theoretical description of superrotors: Alignment and orientation

Presenter: Shreyas Potnis, University of Toronto
Title: An efficient mid-infrared single photon detector

Presenter: Mike Reppert, University of Toronto
Title: Coherence in Quantum and Classical Mechanics

Presenter: Amandeep Singh, Indian Institute of Science Education & Research (IISER) Mohali
Title: Entanglement detection on an NMR quantum information processor using random local measurements

Presenter: Ole Steuernagel, University of Hertfordshire
Title: Structures far below the sub-Planck scale in phase space through superoscillations

Presenter: Ole Steuernagel, University of Hertfordshire
Title: There are no trajectories in quantum phase space

Presenter: Weng-Kian Tham, University of Toronto
Title: Optical Demonstration of a Fully Homomorphic Encryption Scheme for Quantum Computing on a Circuit Model

Presenter: Guillaume Thekkadath, University of Ottawa
Title: An experimental recipe for an arbitrary two-photon polarization projector

Presenter: Chris Zeitler, University of Illinois at Urbana-Champaign
Title: Applications of Hyperentangled Photons

Presenter: Pei Zeng, Tsinghua University
Title: Randomness quantification of coherent detection