

Seminar Notice – Department of Physics

CANADIAN ASSOCIATION OF PHYSICISTS LECTURE TOUR



Quantum Information Science and Technology: when tiny things do big things



Presented by Dr. Martin Laforest,
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Two landmark theories that emerged in the 20th century forever changed our world: quantum mechanics and information theory. The first altered our perception of reality; the second enabled the information age of today. Quantum Information Science and Technology bridge these theories — by probing deep questions about information and reality, and by developing the transformative technologies of tomorrow. This talk will overview the basic concepts of Quantum Information Science and Technology and its applications to computing, communication and sensing. The current state of its physical realization using nuclear and electronic spins, photons, superconductors and semiconductors will also be explored.

When: Friday, March 1, 2013

Where: RIC 208

Time: 3:30 – 4:30 PM