Canadian Summer School on Quantum Information
17 - 21 June, 2013

24 - 28 June, 2013
Canadian Quantum Information Students' Conference

Institute for
QUANTUM SCIENCE AND TECHNOLOGY
at the University of Calgary

Are you a student in computer science, physics, mathematics or engineering? Are you interested in learning about quantum information science? Consider attending the Canadian Summer School on Quantum Infomation, featuring five days of pedagogical lectures by international leaders in the field. Then, join us for the Canadian Quantum Information Students' Conference for exciting net-working opportunities, and a chance to present results from your own research.

Summer School Speakers and Topics

DOMINIC BERRY, MACQUARIE UNIVERSITY
Quantum algorithms, quantum simulation

ALEXANDRE BLAIS, UNIVERSITÉ DE SHERBROOKE
Superconducting qubits, microwave quantum optics

NILANJANA DATTA, UNIVERSITY OF CAMBRIDGE
Quantum entropies and one-shot information theory

AUSTIN FOWLER, UNIVERSITY OF MELBOURNE
Quantum error correction, fault-tolerant quantum computing, surface code, topological cluster states

IVETTE FUENTES, UNIVERSITY OF NOTTINGHAM
Relativistic quantum information

DANIEL GOTTESMAN, PERIMETER INSTITUTE
Quantum error correction and fault tolerance

MATTEO MARIANTONI, UNIVERSITY OF WATERLOO
Superconducting quantum circuits, quantum microwaves

CHRISTOPH SIMON, UNIVERSITY OF CALGARY
Quantum repeaters, quantum memories for photons

Student Conference Guest Speakers

SUZANNE GILDERT, D-WAVE
What do you DO with a quantum computer?

BARRY SANDERS, UNIVERSITY OF CALGARY
Universal quantum simulation for fun and profit

DEADLINES
Conference abstracts
29 April 2013

Conference registration
10 May 2013

Summer school registration
10 May 2013

REGISTRATION
$50 each for summer school and student conference. Limited free accommodation available, on a first-come, first-served basis.

ORGANIZING COMMITTEE
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