

CQISC schedule: our event is held in Cassio A, B in MacEwan student center (Room 228 and 230).

Day/date	Time	Author	Title
Wednesday 26/06/2013	8:30- 9:30	Breakfast	
	9:30 - 9:50	Abhirup Goswami	Enhancing heralded entanglement creation with quantum memories
	9:50- 10:10	Hassan Mallahzadeh	Frequency multiplexed quantum memories with read-out on demand for quantum repeaters
	10:10- 10:30	Khabat Heshami	Optical quantum memory in NV ensembles coupled to a cavity
	10:30- 10:50	Adarsh S. Prasad	Entanglement distillation of a two-mode squeezed state
	10:50- 11:10	Coffee Break	
	11:10- 11:30	Vinay Iyer	Explorations of random matrix theoretic techniques in quantum information
	11:30- 11:50	Juan Bermejo-Vega	Classical simulations of quantum Fourier transforms
	11:50- 12:10	Filip A. Wudarski	Non-Markovian random unitary qubit dynamics
	12:10- 12:30	Yuval R. Sanders	Automatic detection of resonances in superconducting qubit systems
	12:30-13:30	Lunch	
	13:30- 13:50	Sadegh Raeisi	Multilevel quantum system for algorithmic cooling
	13:50- 14:10	Ish Dhand	Finite precision in quantum simulation
	14:10- 14:30	Ehsan Zahedinejad	Molecular dynamics simulation of interprotein electron transfer
	14:30- 15:30	Dr. Dominic Berry, Macquarie University	Hamiltonian simulation with complexity polylogarithmic in the error
	15:30- 15:45	Coffee Break	
	15:45-16:00	Group Photo	
	16:00- 17:00	Dr. Barry Sanders	Universal quantum simulation for fun and profit
	17:00- 19:00	Poster session	

Day/date	Time	Author	Title
Thursday 27/06/2013	8:30- 9:30	Breakfast	
	9:30 - 9:50	Takafumi Nakano	Non-additivity of quantum correlation complexity
	9:50- 10:10	Varun Narasimhachar	Transformation vs. estimation strategies in asymmetry resource theories of asymmetry
	10:10- 10:30	Mark Girard	Improving bounds on distillable entanglement
	10:30- 10:50	Juan Miguel Arrazola	Reliable entanglement verification
	10:50- 11:10	Coffee Break	
	11:10- 11:30	Pantita Palittapongarnpim	Machine learning for adaptive quantum metrology
	11:30- 11:50	Hon Wai Lau	Information theoretic aspects of the two-dimensional Ising model
	11:50- 12:10	Adel Sohbi	Robustness of nonlocality of symmetric states
	12:10- 12:30	Travis Brannan	Quantum state engineering using atomic ensembles
	12:30- 13:30	Lunch	
	13:30- 13:50	Aveek Chandra	Creating optical Schrodinger cat states
	13:50- 14:10	Khulud Almutairi	Nonlinear spin-waves dynamics in a Bose-Einstein condensate
	14:10- 14:30	Mohammad Khazali	Rydberg scattering of frozen spin-waves
	14:30- 14:50	Samuel Boutin	Superconducting qubits: numerical optimization of measurement
	14:50-15:10	Behzad Khanaliloo	Manipulating NV centers with optomechanical crystals
	15:10- 15:30	Zhongzhong Qin	Scalable generation of multiple quantum correlated beams from hot rubidium vapor
	15:30-16:00	Coffee break	
	16:00- 17:00	Dr. Dominic Walliman, D-Wave	What do you DO with a quantum computer?
	17:00- 19:00	Break	
19:30- 22:00	Banquet		

Day/date	Time	Author	Title
Friday 28/06/2013	8:30- 9:30	Breakfast	
	9:30 - 9:50	Roohollah Ghobadi	Creating and detecting micro-macro photon-number entanglement by amplifying and de-amplifying a single-photon entangled state
	9:50- 10:10	Tian Wang	Demonstrating macroscopic entanglement based on Kerr non-linearities requires extreme phase resolution
	10:10- 10:30	Zahra Shaterzadeh-Yazdi	Ab-initio energy splitting of dangling-bond pairs on a Hydrogen-terminated Silicon surface
	10:30- 10:45	Coffee Break	
	10:45- 11:30	Prize distribution	