

Thursday June 16th

Session: **Quantum Information and Foundations**

Chair: Guillaume Duclos-Cianci, U Sherbrooke

8:45 – 9:00	Opening Remarks	
9:00 – 9:35	Locking classical information	Jan Florjanczyk – McGill
9:35 – 9:55	Discord and nonlocality in probabilistic theories	Marco Zaopo – QUIT, U Pavia
9:55 – 10:15	Private Quantum Channels, Conditional Expectations, and Trace Vectors	Sarah Plosker – U Guelph
10:15 – 10:45	Coffee Break	
10:45 – 11:20	Testing of the Born Rule via Three-Paths Interference using Liquid State NMR	Kyungdeock Park – IQC, U Waterloo
11:20 – 11:40	Optimal Implementation of Quantum Channels in Quantum Optics	Kent Fisher – IQC, U Waterloo
11:40 – 12:00	MUBs and SIC-POVMs in view of star-product formalism and tomographic-probability representation of qudits	Sergey Filippov – MIPT, Moscow
12:00 – 14:00	Lunch	
Session: Posters		
14:00 – 17:00	Posters	
19:00 – 20:30	Dinner	
20:30	Camp fire	

Friday June 17th

Session: **Implementations & Decoherence**

Chair: David Roy-Guay, U Sherbrooke

9:00 – 9:35	Thermalization as a Natural Coherently Controlled Quantum Process	Leonardo A. Pachon – U Toronto
9:35 – 9:55	Dissipation in the Ultrastrong Coupling Regime of Circuit QED	Félix Beaudoin – U Sherbrooke
9:55 – 10:15	Decoherence in OAM states due to atmospheric turbulence	Jose Raul Gonzalez Alonso – U Southern California
10:15 – 10:45	Coffee Break	
10:45 – 11:20	Two-photon dipole-dipole blockade	Khulud Almutairi – IQIS, U Calgary
11:20 – 11:40	Ultra-fast single spin rotations based on the exchange interaction	Julien Camirand Lemyre – U Sherbrooke
11:40 – 12:00	Theory of heavy-hole spin echoes	Xiaoya Judy Wang – McGill
12:00 – 14:00	Lunch	
<h3>Session: Many-Body Quantum Information and Quantum Error Correction</h3>		
Chair: Olivier Landon-Cardinal, U Sherbrooke		
14:00 – 14:35	Localization of Toric Code Defects	Cyril Stark – ETH Zurich
14:35 – 14:55	Entanglement sharing schemes via quantum error correcting codes	Ran Hee Choi – IQIS, U Calgary
14:55 – 15:25	Coffee Break	
15:25 – 16:00	Kitaev's quantum double models and (2+1)-dimensional extended topological quantum field theories	Lucy Liuxuan Zhang – U Toronto
15:55 – 16:15	A simple scheme for encoding a qubit in unknown state into and decoding it from Kitaev code	Anna Przysiężna – U Gdansk
19:00	Dinner	