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CQIQC-V

Conference on Quantum Information & Quantum Control
a joint CQIQC-Fields Institute conference

August 12-16, 2013 at the Fields Institute, Toronto
Paper submission deadline – April 15th 2013

Organizing Committee:

Amr S. Helmy (Director, CQIQC), Univ. Toronto; **David G. Cory**, University of Waterloo;
Paul Brumer, U. Toronto; **Aephraim Steinberg**, U. Toronto; **Li Qian**, U. Toronto

CQIQC-V will be the fifth in the series of biennial conferences jointly organized by the Toronto Centre for Quantum Information & Quantum Control and the Fields Institute, which aim to bring together researchers from a broad set of areas ranging from quantum cryptography and computation to quantum control to quantum foundations to device fabrication, in a setting which encourages discussion and can help stimulate new collaborations and interactions. The 2013 meeting will also be a celebration of the upcoming quinquagenary of Bell's Inequalities, slightly violating the inequality atop this flyer. There will be roughly 24 invited talks and 24 contributed talks, as well as a poster session.

The meeting will also be the occasion of the awarding of the 3rd biennial John Stewart Bell Prize for Research on Fundamental Issues in Quantum Mechanics and Their Applications (see http://cqiqc.physics.utoronto.ca/bell_prize/home.html).

Keynote Speakers: John F. Clauser and H. Jeff Kimble

Invited Speakers

Scott Aaronson; Robert Alicki; Mohammad Amin; Alan Aspuru-Guzik;
Andrew Cross; Joseph Emerson; Patrick Hayden; Andrew Jordan;
Misha Lukin; Shunlong Luo; Marco Merkli; Chris Monroe;
Bill Munro; Sae Woo Nam; Kenji Ohmori; Martin Plenio;
Eugene Polzik; Michael Raymer; Terry Rudolph; Moshe Shapiro;
Yaron Silberberg; Kartik Srinivasan; Ian Walmsley; Gregor Weihs.

Applications for contributed talks or posters will be accepted through 15 April, 2013, at the web site below.

<http://www.fields.utoronto.ca/programs/scientific/13-14/CQIQC/>