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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 15<sup>th</sup> 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 18 invited talks and 25 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](http://cqiqc.physics.utoronto.ca/bell_prize/home.html)).

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

**Preliminary list of confirmed invited speakers:**

Scott Aaronson; Robert Alicki; Mohamed Amin; Andrew W. Cross; Joseph Emerson; Andrew Jordan; Shunlong Luo; Marco Merkli; Bill Munro; Sae Woo Nam; Kenji Ohmori; Martin Plenio; Eugene Polzik; Michael Raymer; Terry Rudolph; Moshe Shapiro; Yaron Silberberg; Kartik Srinivasan; 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/>