



T H E F I E L D S I N S T I T U T E

# THEORY OF QUANTUM COMPUTATION, COMMUNICATION, AND CRYPTOGRAPHY

**May 21–23, 2013**

UNIVERSITY OF GUELPH

**Quantum Coding Theory • Quantum Noise •  
Fault-tolerant Quantum Computing • Quantum  
Algorithms and Communication • Simulation of  
Quantum Systems • Entanglement Theory**

## **ORGANIZING COMMITTEE**

Jianxin Chen (IQC and University of Guelph)  
Zhengfeng Ji (IQC and University of Waterloo)  
David Kribs (University of Guelph)  
Bei Zeng (University of Guelph)

## **INVITED SPEAKERS**

Sergio Boixo (University of Southern California, Los Angeles)  
Jop Briët (CWI, Amsterdam)  
Iordanis Kerenidis (CNRS, Université Paris Diderot-Paris 7)  
Thomas Vidick (MIT)  
Stephanie Wehner (National University of Singapore)

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