Monday, May 23:
Arrival and hotel check-in.

Tuesday, May 24:

8:00-9:20 Registration

9:20-9:30 Welcoming addresses

**Morning session: Quantum Cryptography I**

9:30-10:30 Nicolas Gisin (invited talk)
*Futures of Quantum Communication: Device-Independent QKD, Quantum Networks and bi-locality*

10:30-11:00 Jonathan Silman, Andre Chailloux, Nati Aharon, Iordanis Kerenidis, Stefano Pironio and Serge Massar
*Mistrustful quantum cryptography in a device-independent setting*

11:00-11:30 Break

11:30-12:00 Marco Tomamichel, Charles Ci Wen Lim, Renato Renner, Nicolas Gisin
*Towards a tight finite key analysis for BB84*

12:00-12:30 Lluis Masanes, Stefano Pironio and Antonio Acín
*Secure device-independent quantum key distribution with causally independent measurement devices*

12:30-14:00 Lunch
Tuesday, May 24:

**Afternoon session: Quantum Information I**

14:00-15:00  **Héctor Bombín (invited talk)**  
*Structure of 2D Topological Stabilizer Codes*

15:00-15:30  **Frederic Dupuis, Jan Florjanczyk, Patrick Hayden and Debbie Leung**  
*The locking-decoding frontier for generic dynamics*

15:30-16:00  **Break**

16:00-16:30  **Koenraad Audenaert**  
*Telescopic relative entropy*

16:30-17:00  **Iman Marvian** and **Robert Spekkens**  
*A generalization of Noether's theory and the information-theoretic approach to the study of symmetric dynamics*

17:00-18:00  **Rump session**

Wednesday, May 25:

**Morning session: Quantum Algorithms I**

9:30-10:30  **Umesh Vazirani (invited talk)**  
*TBD*

10:30-11:00  **Gorjan Alagic** and **Stephen Jordan**  
*Approximating the Turaev-Viro invariant of mapping tori is complete for one clean qubit*

11:00-11:30  **Break**

11:30-12:00  **Ben Reichardt**  
*Span-program-based quantum algorithm for evaluating unbalanced formulas*

12:00-12:30  **Matthew McKague**  
*Self-testing graph states*

12:30-14:00  **Lunch**
Wednesday, May 25:

**Afternoon session: Quantum Cryptography II**

**14:00-15:00** Mio Murao (invited talk)  
"Globalness" of unitary operations on quantum information

**15:00-15:30** Daniel Cavalcanti, Nicolas Brunner, Paul Skrzypczyk, Alejo Salles and Valerio Scarani  
Large violation of Bell inequalities using both particle and wave measurements

**15:30-16:00** Break

**16:00-16:30** Lawrence Ioannou and Michele Mosca  
Unconditionally-secure and reusable public-key authentication

**16:30-17:00** Anthony Leverrier and Philippe Grangier  
Long distance quantum key distribution with continuous variables

**17:00-19:30** Poster session

Thursday, May 26:

**Morning session: Quantum Algorithms II**

**9:30-10:30** Hans Briegel (invited talk)  
Projected simulation for artificial intelligence

**10:30-11:00** David Meyer and James Pommersheim  
Multi-query quantum sums

**11:00-11:30** Break

**11:30-12:00** Juerg Wullschleger  
Bitwise quantum min-entropy sampling and new lower bounds for random access codes

**12:00-12:30** Mehdi Mhalla, Mio Murao, Simon Perdrix, Masato Someya, Peter Turner  
Which graph states are useful for quantum information processing?
12:30-14:00  Lunch

**Thursday, May 26:**

**Afternoon session: Quantum Information II**

14:00-15:00  Tobias Osborne (invited talk)
*The continuum limit of a quantum circuit: variational classes for quantum fields*

15:00-15:30  Break

15:30-16:00  Vaibhav Madhok and Animesh Datta
*Quantum discord in quantum information theory - from strong subadditivity to the Mother protocol*

16:00-16:30  David Lyons, Scott Walck and Curt Cenci
*Local unitary group stabilizers and entanglement for multiqubit symmetric states*

16:30-16:45  Closing