**Session Program**
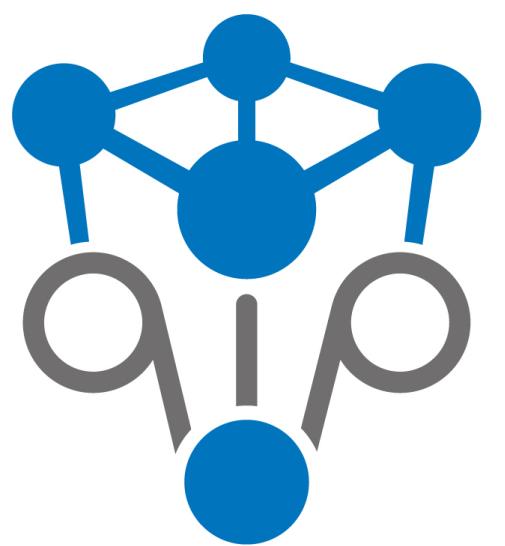
**4–10 Feb 2023**



# Quantum Information Processing 2023

# *Parallel 7C*

Ghent University, UFO
Sint-Pietersnieuwstraat 33, 9000 Gent

# Thursday 9 February

15:30

## Parallel 7C

**Session** | **Location:** Blandijn, Auditorium 3, Blandijnberg 9000, 9000 Gent

15:30–15:55 **An operator-algebraic formulation of self-testing**

**Speaker**

Connor Paddock, William Slofstra, Yuming Zhao and Yangchen Zhou.

16:00–16:25 **Experimental quantum key distribution certified by Bell's theorem**

**Speaker**

David Nadlinger, Peter Drmota, Bethan Nichol, Gabriel Araneda, Dougal Main, Raghavendra Srinivas, David Lucas, Chris Ballance, Kirill Ivanov, Ernest Tan, Pavel Sekatski, Rüdiger Urbanke, Renato Renner, Nicolas Sangouard and Jean-Daniel Bancal.

16:30–16:55

**Improved machine learning algorithm for predicting ground state properties**

**Speaker**

Laura Lewis, Hsin-Yuan Huang and John Preskill.

17:00–17:25 **Linear programming with unitary-equivariant constraints**

**Speaker**

Dmitry Grinko and Maris Ozols.

17:30