

Session Program

4-10 Feb 2023



Quantum Information Processing 2023

Parallel 4A

Ghent University, UFO
Sint-Pietersnieuwstraat 33, 9000 Gent

Tuesday 7 February

15:30

Parallel 4A

Session | **Location:** Blandijn, Auditorium 5, Blandijnberg 9000, 9000 Gent

15:30–15:55

Optimizing quantum circuit parameters via SDP -- merged with -- An Improved Approximation Algorithm for Quantum Max-Cut

Speaker

Eunou Lee. + Robbie King.

16:00–16:25

Unique Games hardness of Quantum Max-Cut, and a conjectured vector-valued Borell's inequality

Speaker

Yeongwoo Hwang, Joe Neeman, Ojas Parekh, Kevin Thompson and John Wright.

16:30–16:55

Matchgate Shadows for Fermionic Quantum Simulation

Speaker

Kianna Wan, William J. Huggins, Joonho Lee and Ryan Babbush.

17:00–17:25

Classical shadows of fermions with particle number symmetry

Speaker

Guang Hao Low.

17:30