QMATH 15

TYPE - QI • SEPTEMBER 13 • TUESDAY

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SEPTEMBER 13 • TUESDAY

2:00pm – 2:25pm	Q	**Quantum Algorithms for Testing Hamiltonian Symmetry** *Speakers: Mark Wilde*	Giedt 1003
2:30pm – 2:55pm	Q	**Quantum f-divergences via Nussbaum-Szkoła Distributions: Applications to Petz-Rényi and von Neumann Relative Entropy, and Gaussian states** *Speakers: Tiju Cherian John*	Giedt 1003
3:00pm – 3:25pm	Q	**Quantum mean states are nicer than you think: fast algorithms to compute states maximizing average fidelity** *Speakers: Afham*	Giedt 1003
4:00pm – 4:25pm	Q	**Multi-mode Gaussian State Analysis with Total Photon Counting** *Speakers: Arik Avagyan*	Giedt 1003
4:30pm – 4:55pm	Q	**Transcendental properties of entropy-constrained sets** *Speakers: Vjosa Blakaj*	Giedt 1003

SEPTEMBER 14 • WEDNESDAY

2:00pm – 2:40pm	Q	**NLTS Hamiltonians from good quantum codes** *Speakers: Anurag Anshu*	Giedt 1006
2:40pm – 3:05pm	Q	**Upper bounds on device-independent quantum key distribution rates in static and dynamic scenarios** *Speakers: Karol Horodecki*	Giedt 1006
3:05pm – 3:30pm	Q	**Haar random approximate t-designs and Gaussian Ensembles** *Speakers: Adam Sawicki*	Giedt 1006
4:00pm – 4:40pm	Q	**Limitations of Linear Cross-Entropy as a Measure for Quantum Advantage** *Speakers: Xun Gao*	Giedt 1006
4:40pm – 5:05pm	Q	**Optimal universal quantum circuits for unitary complex conjugation** *Speakers: Michal Studzinski*	Giedt 1006

SEPTEMBER 15 • THURSDAY

2:00pm – 2:40pm	Q	**Sheaf Codes** *Speakers: Pavel Panteleev*	Giedt 1003
2:40pm – 3:05pm	Q	**The vacuum provides quantum advantage to otherwise simulatable architectures** *Speakers: Cameron Calcluth*	Giedt 1003
3:05pm – 3:30pm	Q	**The pretty good measurement of an ensemble of bosonic Gaussian states** *Speakers: Hemant Mishra*	Giedt 1003
4:30pm – 4:55pm	Q	**Quantum algorithms for Hamiltonian simulation with unbounded operators** *Speakers: Di Fang*	Giedt 1003