Last Frontiers in Quantum Information 2019

Talkeetna, AK

	Thursday, July 18	Friday, July 19	Saturday, July 20	Sunday, July 21	Monday, July 22
Time	Talks	Talks2	Outings & Expeditions	Talks3	Talks4
9:00-10:00	**Stephen Bartlett:** "Self-correction, symmetry, and Schrödinger's cat"	**Wojciech Zurek:** "Quantum Foundations and Quantum Computation"	Hikes, adventures, etc.	**Victor Albert**: "Encoding a qubit in a molecule"	**Cedric Beny**: "Representing correlations"
10:00-10:15	*Break*	*Break*	...	Free time	*Break*
10:15-11:15	**Fred Strauch**: " Realizing & Witnessing High-Dimensional Entanglement in Superconducting Circuits"	**Kevin Satzinger**: "Engineering a Superconducting Quantum Computer"	...	**Ben Brown**: "Error correction with fracton codes and other highly symmetric systems"	**Gavin Brennen:** "Preparing entangled resource states for quantum metrology"
11:15-11:30	*Break*	*Break*	...	*Break*	*Break*
11:30-12:30	**Ben Schumacher:** "Tictacs and meronomic information", or "Subsystem decomposition as a quantum reference frame"	**Kenny Rudinger:** "Characterizing NISQ device performance"	...	**Tom Stace**: "A new kind of qubit"	*Lunch / drive to Anchorage*
12:30-2:00	*Lunch*	*Lunch*	...	*Lunch*	*Drive to Anchorage*
2:00-3:00	**Christina Knapp:** "Modeling Noise and Error Correction for Majorana-Based Quantum Computing"	**Chris Wood:** "Correlated Randomized Benchmarking"	...	**Grant Salton**: "Quantum error correction: symmetries, reference frames, and AdS/CFT"	*Arrive in Anchorage*
3:00-3:30	*Break*	*Break*	...	*Break*	Career Q&A at UAA Bookstore
3:30-4:30	**Steven van Enk**: "Why topological quantum gates are not robust"	**Robin Blume-Kohout:** "Two routes to characterizing N qubits: idle tomography & volumetric benchmarks"	...	Structured Discussion #3 (Kevin): How do we foster good communication between theorists and experimentalists in QIS?	Career Q&A at UAA Bookstore
4:30-5:30	Structured Discussion #1 (Gavin): Many experiments in quantum info science are targeted to demonstrating pretty well understood physics. Where and how should we look for new phenomena?	Structured Discussion #2 (Kenny): What are NISQ devices good for, anyway?		Structured Discussion #4 (Tom): We need new principles for designing quiet low-noise) qubits. Have we been looking in the wrong place all this time?	*Early dinner (5-6:30pm)*
5:30-8:00	*Creativity, beer, recreation*	*Creativity, beer, recreation*	...	*Creativity, beer, recreation*	Public lecture @7pm, UAA
8:00-10:00	Dinner (more or less)	Dinner (more or less)	Dinner (more or less)	Dinner (more or less)	
10:00pm - 9:00am	Drinking & talking s*** about physics	Drinking & talking s*** about physics	Recovery	Drinking & talking s*** about physics	