

Day 1: 07.19.2023

		Title	Speaker(s)
9:00	9:15	Arrival and registration	
9:15	9:30	Welcome and intro remarks	Justyna Zwolak and Jake Taylor
9:30	10:00	Opportunities and Challenges in Automating Si Quantum Dot Qubits	Mark Eriksson, Jared Benson, and Tyler Kovach
10:05	10:35	An experimentalist's approach to tuning quantum dots	Anthony Sigillito
10:40	11:00	Coffee break + poster session	
11:05	11:35	Perspectives on quantum dot device tuning for the calibration of multi-qubit processors	Brennan Undseth
11:40	13:00	Lunch break (on your own, bring back to the room/building)	
13:00	13:30	Setting barrier voltages to support automated device tuning and calibration	Reed Andrews
13:35	14:05	Virtualization of quantum dot array via maximum entropy	Mick Ramsey
14:10	14:30	Coffee break + poster session	
14:30	15:00	Automated Characterization of Engineered Quantum Materials	Eliska Greplova
15:05	15:35	Collective ground states in quantum dot plaquettes	Sankar Das Sarma
15:40	16:40	Breakout session (1h)	
16:40	17:00	Summary from breakout session chairs and closing of day 1	Justyna Zwolak and Jake Taylor

Day 2: 07.20.2023

		Title	Speaker(s)
9:00	9:30	Summary of the breakout discussion	Justyna Zwolak and Jake Taylor
9:30	10:00	A geometric approach for the modelling of charge stability diagrams (CSDs)	Fabian Hader
10:05	10:35	Automatic labeling of domains in experimental data scans.	Brian Weber
10:40	11:10	Coffee break + poster session	
11:15	11:45	Autonomous system-wide tune-up of quantum devices from a cold start	Pranav Mundada
11:50	13:10	Lunch break (on your own, bring back to the room/building)	
13:10	13:40	FPGA based data processing for spin qubit readout and feedback	Torbjoern Rasmussen
13:45	14:15	Compressed gate characterization for spin qubits with time-correlated noise	Michael Gullans
14:20	14:50	Coffee break + poster session	
14:50	15:20	Solid-state dopant arrays as analog quantum simulators: The need to control dopant disorder	Garnett Bryant
15:25	15:55	Automatic tuning of donor in silicon devices using machine learning	Brandon Severin
16:00	16:30	Quantum devices in an algorithmic age	Anasua Chatterjee
16:35	17:00	Summary, thank yous, and closing	Justyna Zwolak and Jake Taylor