Early Access Summer School 2024

Week 1 Schedule

JUNE 17 Monday	JUNE 18 Tuesday	JUNE 19 Wednesday	JUNE 20 Thursday	JUNE 21 Friday
9:00 AM EDT Early Access Summer School Welcome & Kickoff				
11:00 AM EDT Introduction to Qiskit *Speaker: Abby Mitchell*	**11:00 AM EDT** Quantum Circuit Compilation with Qiskit *Speaker: Matthew Treinish*	**11:00 AM EDT** Hardware Noise: Modeling and Characterization *Speaker: Haimeng Zhang*	**11:00 AM EDT** Execution on Noisy Quantum Hardware: Fighting Errors Before Fault Tolerance *Speaker: Pedro Rivero*	
1:00 PM EDT Introduction Qiskit Runtime Primitives V2 *Speaker: Chris Wood*	**1:00 PM EDT** Lab 1: Transpilation: Generating Efficient Hardware-Compliant Quantum Circuits Sebastian Brandhofer	**1:00 PM EDT** Live Q&A Session with Haimeng Zhang		**1:00 PM EDT** Live Q&A Session with Lab Creators
3:00 PM EDT Live Q&A Session with Abby Mitchell, Chris Wood		**3:00 PM EDT** Lab 2: Hardware Noise Samantha Barron	**3:00 PM EDT** Lab 3: Execution on Noisy Quantum Hardware via Qiskit Runtime Abdullah Ash Saki	

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Week 2 Schedule

JUNE 24 Monday	**JUNE 25** Tuesday	**JUNE 26** Wednesday	**JUNE 27** Thursday	**JUNE 28** Friday
11:00 AM EDT Mapping Problems to Qubits *Speaker: Kevin Sung*	**11:00 AM EDT** Quantum Combinatorial Optimization *Speaker: Daniel Egger*	**11:00 AM EDT** Hamiltonian Dynamics: Applications and Simulation *Speaker: Mario Motta*	**11:00 AM EDT** Quantum Machine Learning *Speaker: Meltem Tolunay*	**11:00 AM EDT** Closing Talk: How to Be a Mentor *Speakers: Brian Ingmanson & Team*
1:00 PM EDT Live Q&A Session with Kevin Sung	**1:00 PM EDT** Live Q&A Session with Daniel Egger	**1:00 PM EDT** Live Q&A Session with Mario Motta	**1:00 PM EDT** Live Q&A Session with Meltem Tolunay	
		3:00 PM EDT Lab 4: Simulating Nature at Utility Scale Kaelyn Ferris		

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