

Qiskit Global Summer School 2024

Week 1 Schedule

JULY 15 Monday	JULY 16 Tuesday	JULY 17 Wednesday	JULY 18 Thursday	JULY 19 Friday
9:00 AM EDT Global Summer School Welcome & Kickoff				
11:00 AM EDT Introduction Qiskit 1.0 <i>Speaker: Abby Mitchell</i>	11:00 AM EDT Quantum Circuit Compilation with Qiskit <i>Speaker: Matthew Treniesh</i>	11:00 AM EDT Hardware Noise: Modeling and Characterization <i>Speaker: Haimeng Zhang</i>	11:00 AM EDT Execution on Noisy Quantum Hardware: Fighting Errors Before Fault Tolerance <i>Speaker: Pedro Rivera</i>	11:00 AM EDT Circuit Cutting with Antonio Córcoles
1:00 PM EDT Introduction Qiskit Runtime Primitives V2 <i>Speaker: Chris Wood</i>	1:00 PM EDT Live Q&A Session with Matthew Treniesh	1:00 PM EDT Live Q&A Session with Haimeng Zhang	1:00 PM EDT Live Q&A Session with Pedro Rivera	1:00 PM EDT Live Q&A Session with Antonio Córcoles
3:00 PM EDT Live Q&A Session with Abby Mitchell and Chris Wood	3:00 PM EDT Lab 1: Transpilation: Generating Efficient Hardware-Compliant Quantum Circuits Sebastian Brandhofer	3:00 PM EDT Lab 2: Hardware Noise Samantha Barron	3:00 PM EDT Lab 3: Execution on Noisy Quantum Hardware via Qiskit Runtime Pedro Rivera	



Qiskit Global Summer School 2024

Week 2 Schedule

JULY 22
Monday



11:00 AM EDT
Mapping Problems to Quibits
Speaker: Kevin Sung

1:00 PM EDT
Live Q&A Session with
Kevin Sung

JULY 23
Tuesday



11:00 AM EDT
Quantum Combinatorial
Optimization
Speaker: Daniel Egger

1:00 PM EDT
Live Q&A Session with
Daniel Egger

JULY 24
Wednesday



11:00 AM EDT
Hamiltonian Dynamics:
Applications and Simulation
Speaker: Mario Motta

1:00 PM EDT
Live Q&A Session with
Mario Motta

3:00 PM EDT
Lab 4: Simulating Nature at
Utility Scale
Kaelyn Ferris

JULY 25
Thursday



11:00 AM EDT
Quantum Machine Learning
Speaker: Meltem Tolunay

1:00 PM EDT
Live Q&A Session with
Meltem Tolunay

JULY 26
Friday



11:00 AM EDT
Closing Ceremony/ Panel
Speakers: Various

