

Week 1 Schedule

JULY 17
Monday

9:00 AM EDT
Global Summer School
Welcome & Kickoff

11:00 AM EDT
Single Systems
Speaker: John Watrous

1:00 PM EDT
Multiple Systems
Speaker: John Watrous

3:00 PM EDT
Live Q&A Session with
Olivia Lanes & John Watrous

JULY 18
Tuesday

9:00 AM EDT
Quantum Circuits
Speaker: John Watrous

11:00 AM EDT
Lab 1: Qiskit 101
Abby Mitchell

1:00 PM EDT
Live Q&A Session with
Abby Mitchell

JULY 19
Wednesday

9:00 AM EDT
Entanglement in Action
Speaker: John Watrous

11:00 AM EDT
Lab 2: Creating
Entanglement with Qiskit
Nick Bronn

1:00 PM EDT
Live Q&A Session with
Nick Bronn

JULY 20
Thursday

9:00 AM EDT
Quantum Query Algorithms
Speaker: John Watrous

11:00 AM EDT
Foundations of Quantum
Algorithms
Speaker: John Watrous

1:00 PM EDT
Live Q&A Session with
Olivia Lanes & John
Watrous

JULY 21
Friday


9:00 AM EDT
Phase Estimation and Factoring
Speaker: John Watrous

11:00 AM EDT
Lab 3: Diving into Quantum
Algorithms
Kaelyn Ferris

1:00 PM EDT
Live Q&A Session with Kaelyn
Ferris

Week 2 Schedule


JULY 24
Monday



11:00 AM EDT
Quantum Computing
Hardware and Super
Conducting Circuits
Speaker: Olivia Lanes

1:00 PM EDT
Live Q&A Session with
Olivia Lanes & John Watrous

JULY 25
Tuesday



9:00 AM EDT
Introduction to Quantum
Noise Part 1
Speaker: Zlatko Minev

11:00 AM EDT
Introduction to Quantum
Noise Part 2
Speaker: Zlatko Minev

1:00 PM EDT
Live Q&A Session with
Zlatko Minev

JULY 26
Wednesday




9:00 AM EDT
Iterative Quantum Phase
Estimation: Moving Beyond
Traditional QPE
Speaker: Kaelyn Ferris

11:00 AM EDT
Variational Quantum
Eigensolver
Speaker: Omar Shehab

1:00 PM EDT
Live Q&A Session with
Omar Shehab

3:00 PM EDT
Lab 4: Iterative Quantum
Phase Estimation
Kevin Sung

JULY 27
Thursday




9:00 AM EDT
Noise Mitigation Part 1
Speaker: Nick Bronn

11:00 AM EDT
Noise Mitigation Part 2
Speaker: Nick Bronn

1:00 PM EDT
Lab 5: Noise Mitigation
Kevin Sung

3:00 PM EDT
Live Q&A Session with Kevin
Sung

JULY 28
Friday



11:00 AM EDT
Lab 6: Contributing to Qiskit
Abby Mitchell

1:00 PM EDT
Closing Ceremony/ Panel
Speaker: All Lecturers