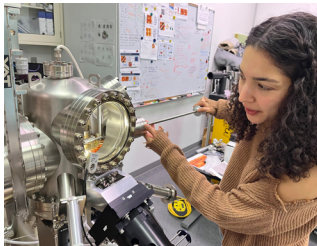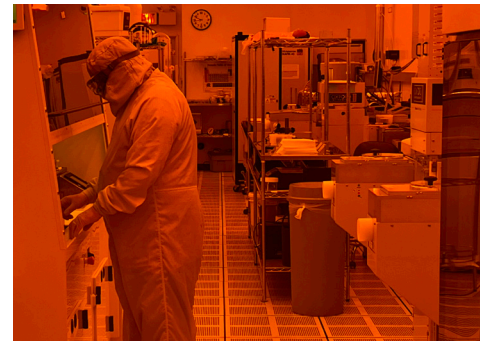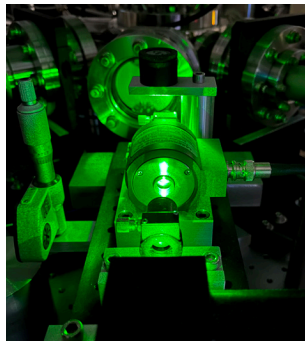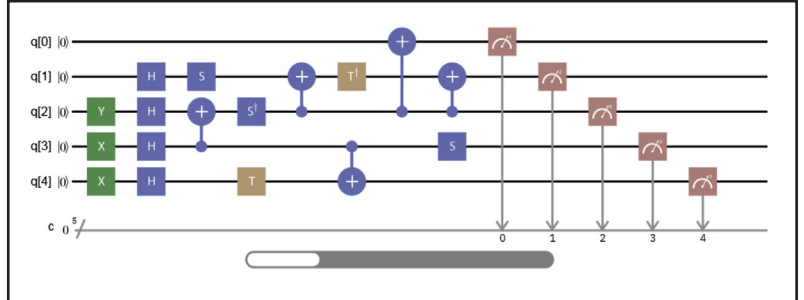The LPS Qubit Collaboratory presents

Quantum Computing Summer Short Course

Algorithms to Hardware

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The Laboratory for Physical Sciences (LPS) Qubit Collaboratory (LQC) invites graduate students and advanced undergraduates enrolled in physics programs, and programs in related disciplines, to take part in our 2024 Quantum Computing Summer Short Course. The 2-week course will provide an introduction to quantum computing from algorithms to physical implementations, including interactive projects. Spaces are limited to enhance the student experience. Please submit your application using the QR code or URL below. We hope to see you there.

WORKSHOP TOPICS:

- Qubit fundamentals
- Initialization & measurement
- One & two-qubit gates
- Quantum algorithms
- Qubit metrics
- Trapped ion qubits
- Superconducting qubits
- Semiconducting qubits
- Neutral atom qubits

PLUS:

- Course topics taught by subject experts
- Virtual lab tours
- Networking with peers and leading quantum information scientists
- Official certificate awarded for successful course completion
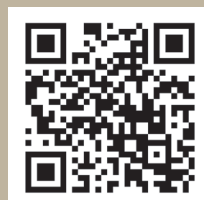
QUESTIONS?

- Contact: lqc@lps.gov

DATES: July 8 - July 19, 2024
TIMES: Afternoons 12:30 - 4:30pm EST
LOCATION: Virtual via Zoom
COST: Free to accepted participants
DEADLINE TO APPLY: May 17, 2024

APPLY: Use QR code or visit
https://forms.gle/eER5ug4a1kpAYHdU9
(Application decisions will be made by June 21, 2024.)

LQC
LPS QUBIT COLLABORATORY

LPS
The Laboratory for Physical Sciences