SUMMER OF QUANTUM WORKSHOP

8050 Greenmead Drive • College Park • Maryland 20740 • lqc@lps.gov

LPS — The Laboratory for Physical Sciences

LQC — LPS QUBIT COLLABORATORY
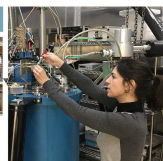
LEARN
from Leading Quantum Scientists

ENGAGE
in Hands-on Projects

- **Who:** Rising Undergraduate Seniors and Graduate Students interested in Quantum Devices and Quantum Information Science
- **What:** A 2-week introduction to quantum computing from algorithms to physical implementations
- **When:** July 12-23, 2021, 1-5pm EST
- **Where:** Online via Zoom
- **Cost:** Free!
- **How to Apply:** Visit https://forms.gle/u9c9rvPJwDjffGKu8 or scan the QRcode

Workshop Topics:

Qubit Fundamentals

Initialization & measurement

One and two-qubit gates

Quantum Algorithms

Qubit metrics

Trapped ions qubits

Superconducting qubits

Semiconductor qubits

Topological qubits

Plus: Virtual Lab Tours!

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For questions, email us at lqc@lps.gov.
Visit the LQC website at qubitcollaboratory.org.