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Quantum Networking for GPN Region

Monday, July 21, 2025 1:45 PM (1h 15m)

Keynote:

Eden Figueroa

Presidential Innovation Endowed Professor

Director of the Center for Distributed Quantum Processing

Stony Brook University

At Stony Brook University, a team led by Dr. Eden Figueroa has established one of the most advanced quantum networks in the United States. Spanning multiple locations across Long Island, SCY-QNet connects the quantum efforts at Stony Brook, Columbia University, and Yale University, as well as the Brookhaven National Lab.

Building on their success, Stony Brook has proposed expanding widening its quantum networking efforts including plans to develop and implement multiple networks within the GPN footprint. To kick off our workshop, Dr. Figueroa will present the story of the Long Island network, highlighting the groundbreaking discoveries and innovative technologies developed throughout its evolution.

This presentation sets the foundation for Tuesday afternoon's workshop activities.

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