

ADVANCEMENT

ALICE & BOB

From noise to information: reconstruct quantum states from **Wigner functions**.

BLUEQUBIT

Find hidden messages within **peaked circuits**, working towards quantum advantage.

QUERA

Work with state-of-the-art **neutral atom gatesets** to advance digital quantum computing.

APPLICATION

CAPGEMINI • HARTFORD

Work with **correlated insurance portfolios** and use quantum optimization to minimize risk.

CAPGEMINI • TRAVELERS

Use quantum-accelerated graph coloring to **minimize wildfire risk**.

LTIMINDTREE • TRAVELERS

Use quantum-accelerated algorithms to **optimize claim processing** for insurance.

QUANTUM RINGS

Use Shor’s algorithm to **semiclassically factor** the largest possible number.

SUPERQUANTUM

Develop quantum-enhanced hash functions for applications in **blockchain and crypto**.

TAHOE QUANTUM

Leverage quantum optimization to **improve wildfire response** and boost lifesaving.

APPLICATION

ADVANCEMENT

QUANTUM RINGS

Develop the most efficient protocol to **semiclassically factor prime numbers** with Shor's algorithm.

SUPERQUANTUM

Develop **quantum-enhanced hash functions** for applications in blockchain and cryptocurrencies.

BLUEQUBIT

Find hidden messages within **peaked circuits**, working towards quantum advantage.