



Position Available in Quantum Information Science and Technology at The Aerospace Corporation

The Aerospace Corporation provides independent technical and scientific research, development, and advisory services to national-security space programs. We operate a federally funded research and development center (FFRDC) for the United States Air Force and the National Reconnaissance Office in support all national-security space programs. From our inception in 1960, our highly skilled technical staff have focused on ensuring the success of every mission and developing the most effective and economic space-related hardware and software in the world. Our involvement spans all facets of space systems: including systems engineering, testing, analysis, and development; acquisition support; launch readiness and certification; anomaly resolution; and the application of advanced technologies to existing and next-generation space systems.

We are currently looking for scientists with expertise in the following areas:

Quantum Information Processing
Quantum Key Distribution

DUTIES: Perform fundamental research in the field of Quantum Information Science. Support the design, analysis, and modeling of quantum computer system architectures that incorporate quantum error correction and quantum control protocols for either the quantum circuit or the topological cluster state model of quantum computing. Provide performance modeling and analysis of quantum information and cryptographic systems that address all aspects of design and control. The successful candidate will also support laboratory studies with modeling and analysis of quantum key distribution protocols and implementations. The candidate will also be expected to support other projects in computer science and high performance scientific computing.

Graduating PhDs, Post-docs and others with expertise in these areas are encouraged to send their resumes to (PDF preferred):

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