



NASA Glenn Faculty Fellowship Program

Glenn Research Center

Office/Division Name: LCP

Branch Name: Optics and Photonics Branch

Research/Engineering Area / Topic: Optics/quantum

Description of Research/Engineering Work to Be Performed

Quantum Communications

Brief background and NASA mission/program support

Supporting NASA Aeronautics Quantum Communications

Objective(s) of project

Develop airborne quantum network node

Specific Faculty Fellow Assignment

Research and Development in maintaining polarization-based entanglement for high fidelity transmission

Expected Outcome(s)

System development and associated research papers to document

Contact: GRC-NGFFP@mail.nasa.gov