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Opportunity Title: Lidar Measurement and Analysis of Atmospheric Parameters
Opportunity Reference Code: 0044-NPP-MAR26-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0044-NPP-MAR26-GSFC-EarthSci

How to Apply All applications must be submitted in Zintellect

Please visit the NASA Postdoctoral Program website for application instructions and requirements: How to Apply | NASA Postdoctoral Program (orau.org)

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

Application Deadline 4/2/2026 6:00:59 PM Eastern Time Zone

Description **About the NASA Postdoctoral Program**

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

Description:

This opportunity is closed to applicants who are Senior Fellows (5-years or more past PhD).

Research centers on measurements of a number of important atmospheric parameters, such as trace gases and aerosols in the troposphere and stratosphere. Specifically, candidates will conduct research investigations to understand atmospheric trace gases and their role in both tropospheric air quality and stratospheric ozone monitoring. This includes tropospheric pollution monitoring and their impacts on atmospheric chemistry. Candidates who have experience in active remote sensing of parameters such as winds, temperature, and water vapor content are also encouraged to apply.

Candidates should have experience in the design, construction and operation of LIDAR instrumentation for the remote sensing of atmospheric chemical constituents and meteorological parameters. They should also be able to facilitate LIDAR expertise in incorporating theoretical and working understanding of laser technology, specifically those emitting from the IR to UV. Experience is preferred in concept development, proposal writing, and overall technical insight for developing new LIDAR systems for automated operations in remote locations and for aircraft flights.

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Location:
Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Earth Science

Advisors:
John T. Sullivan
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301-614-5549

Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: https://www.nasa.gov/oiir/export-control.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Questions about this opportunity? Please email npp@orau.org

Point of Contact Mikeala

Eligibility Requirements

- **Degree:** Doctoral Degree.