zintellect
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Opportunity Title: Aerosol Long-range Transport and Effects in the Earth System
Opportunity Reference Code: 0181-NPP-NOV26-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0181-NPP-NOV26-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 11/1/2026 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).

Mineral dust and pollution aerosol can transport on hemispherical and global scale. They exert far-reaching effects on the Earth system via a variety of pathways, including (a) degrading air quality and adversely affecting human health, (b) perturbing the Earth's energy balance through directly interacting with radiation and indirectly modifying cloud properties, and (c) influencing marine and terrestrial ecosystems through depositing co-transported nutrients and microbes. Our research focuses on how to integrate a variety of satellite measurements to obtain observation-based estimates of aerosol transport and deposition and to assess the roles of the long-range transported aerosol in the Earth system. The study also involves the use of model simulations and field campaign data to complement the satellite observations.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

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Field of Science: Earth Science

Advisors:
Hongbin Yu
hongbin.yu-1@nasa.gov
301-614-6209

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.