Opportunity Title: Earth Science: Remote Sensing and Modeling of Terrestrial Hydrology
Opportunity Reference Code: 0037-NPP-MAR26-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0037-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 3/1/2026 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.

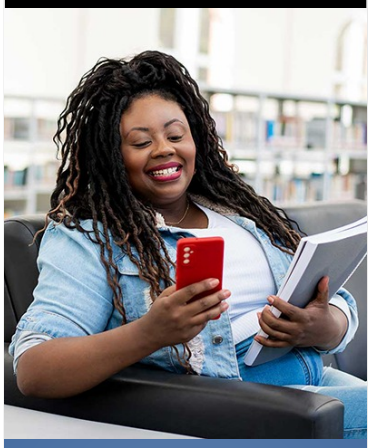
Description:

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

Water is critical to sustaining life on Earth, and helps to link the Earth's lands, oceans, and atmosphere as an integrated physical system. Here, at the Hydrological Sciences Laboratory, we recognize the essential role of water in the Earth system, and seek a deeper insight into the science and physical principles underlying hydrology from local to global scales. We solicit post-doc candidates with scientific with technical expertise to expand and complement our existing strengths in the area of remote sensing-based hydrological research, modeling, and applications. Selected candidates will contribute to the understanding, quantification, and analysis of components of the hydrological cycle, including soil moisture, snow, ground and surface waters, precipitation, evapotranspiration, and runoff, utilizing innovative remote sensing and numerical modeling techniques. Incorporating such information into prediction systems, decision support tools, and studies of land-atmosphere interactions is likewise important. Candidates may contribute to the development and coordination of ongoing and future NASA water-related space missions, working groups, and field campaigns. Candidates should have experience in one or more of the following: hydrology, hydrologic remote sensing, hydrometeorology, hydroclimatology, environmental science, and/or Earth system modeling, machine learninng,

NPP NASA Postdoctoral Program

ORAU Pathfinder



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and data assimilation, including the development of interpretation and spatial-temporal analysis techniques. Experience with NASA Earth Science satellite missions and/or a related research is desirable. Please see http://neptune.gsfc.nasa.gov/hsb/ for more information on the Hydrological Sciences Laboratory.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Earth Science

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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

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Point of Contact Mikeala

Eligibility Requirements

- **Degree:** Doctoral Degree.