

Opportunity Title: Lunar and Planetary Science: Geophysics and Interiors

Opportunity Reference Code: 0015-NPP-NOV26-MSFC-PlanetSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0015-NPP-NOV26-MSFC-PlanetSci

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

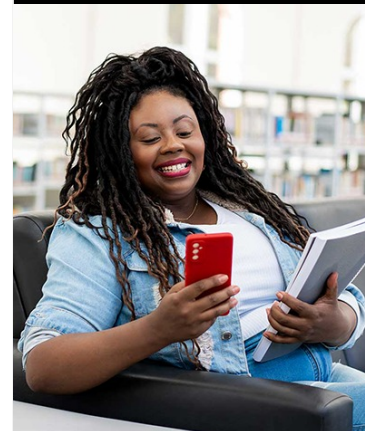
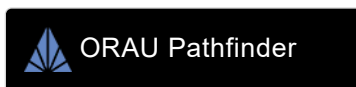
Application Deadline 11/1/2026 6:00:59 PM Eastern Time Zone

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:

In order to advance our knowledge on the formation and evolution of planetary bodies, a detailed picture of their interiors is required. While a variety of geophysical data have been collected for many terrestrial bodies in our solar system, seismic recordings offer the most detailed information on their interior structure. Up until InSight landed and deployed its instruments on Mars in 2018, the Moon was the only body besides the Earth for which we had seismic recordings. Magnetometer data at the surface or from orbit can also be used to learn about conducting layers within the interior. Analysis of seismic and electromagnetic data from both Apollo and InSight continues to reveal new information on the interiors of the Moon and Mars, including the structure of the crust, the state of the mantle, and the presence of a core. However, considerable uncertainties remain as to their overall internal structure. With the goal of supporting next-generation geophysical investigations to the Moon, Mars, and the icy satellites of the outer Solar System in mind, we welcome solicitations of original research in the fields of planetary geophysics, including (but not limited to): Apollo and InSight seismic or electromagnetic data analyses, theoretical waveform modeling, equations of state modeling, shallow and deep structure determination, surface image analysis as it relates to seismology and tectonism, and modeling in support of site selection and science return for future planetary geophysical missions.



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)



Opportunity Title: Lunar and Planetary Science: Geophysics and Interiors

Opportunity Reference Code: 0015-NPP-NOV26-MSFC-PlanetSci

Location:

Marshall Space Flight Center

Huntsville, Alabama

Field of Science: Planetary Science

Advisors:

Heidi Haviland

heidi.haviland@nasa.gov

(256) 961-7711

Renee Weber

Renee.C.Weber@nasa.gov

256-961-7705

Paul M. Bremner

Paul.m.bremner@nasa.gov

800-637-7223

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@oraui.org

Point of Contact [Mikeala](#)

Eligibility Requirements • **Degree:** Doctoral Degree.