Opportunity Title: Solar System: Impact Crater Modeling and Remote Sensing Studies of Planetary Surfaces
Opportunity Reference Code: 0135-NPP-MAR26-GSFC-PlanetSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0135-NPP-MAR26-GSFC-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 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:

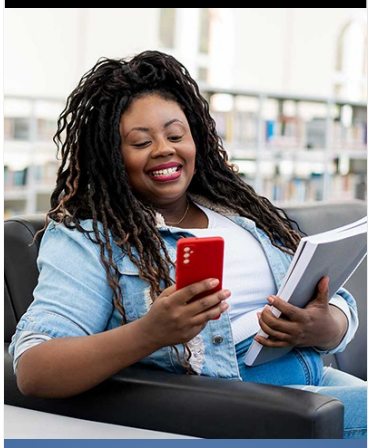
Proposals are solicited that focus on studies of planetary surfaces using near-infrared remote sensing or that take a model-based approach to understand the role of impact cratering in modyfying a planetary surface. Research topics include impact cratering, regolith development, and comparative planetology. Current projects include analysis of lunar spectral data, studies of the lunar surface and stratigraphy using high resolution images, crater ejecta and melt modeling, studies of small-body geology, geologic maping, and data integration. This research generally involves cross-comparison of planetary data sets; including infrared data, optical imaging, topographic data, radar, and numerical models.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Planetary Science

Advisors:
Noah Petro

NPP NASA Postdoctoral Program
ORAU Pathfinder



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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

Point of Contact Mikeala

Eligibility Requirements

- **Degree:** Doctoral Degree.