Opportunity Title: Planetary Science: Coastal Processes
Opportunity Reference Code: 0016-NPP-MAR26-MSFC-Interdisc

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0016-NPP-MAR26-MSFC-Interdisc

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:

In order to advance our knowledge of planetary surface processes, analysis of beach morphodynamic responses to high energy events such as storms is important. This opportunity solicits research projects in support of coastal preservation and climate change. Projects seeking to analyze existing datasets including seismic, infrasound, imagery (aerial/satellite), digital elevation models, and GPS are of interest. Current locations of interest are past field sites including the coast around Cape Canaveral and northern Puerto Rico. This project seeks to discern energy dissipation of ocean waves as they approach shorelines and the mechanical response of coastal features from the energy that remains (i.e., the erosional potential). We welcome ideas related to ocean wave energy delivery to the coast and seismic analysis. Proposals should state how developed methods can tie present day coastal Earth processes to paleo or present-day terrestrial planetary processes. Proposals are encouraged to describe additional data collection opportunities at these sites.

Field of Science: Interdisciplinary

Advisors:

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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.