

Opportunity Title: Planetary Science: Coastal Processes

Opportunity Reference Code: 0016-NPP-NOV23-MSFC-Interdisc

Organization National Aeronautics and Space Administration (NASA)

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How to Apply All applications must be submitted in [Zintellect](#)

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description 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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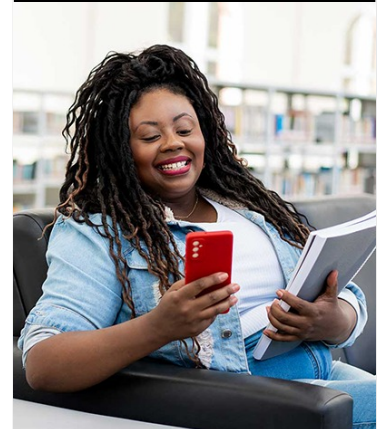
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Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at:

<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



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