

Opportunity Title: Solar System: Impact Crater Modeling and Remote Sensing Studies of Planetary Surfaces

Opportunity Reference Code: 0135-NPP-NOV23-GSFC-PlanetSci

Organization National Aeronautics and Space Administration (NASA)

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

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 modifying 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 mapping, 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:

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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/oiiir/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

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



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