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Opportunity Title: Heliophysics: Coronal Mass Ejections and Space Weather
Opportunity Reference Code: 0015-NPP-MAR26-GSFC-HelioSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0015-NPP-MAR26-GSFC-HelioSci

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:

Coronal mass ejections (CMEs) are large-scale magnetized plasma structures ejected from the Sun with speeds ranging from a few to more than 2000 kilometers per second. The CMEs impart energy and momentum to planetary atmospheres and magnetospheres. CMEs also drive fast mode magnetohydrodynamic shocks, which in turn accelerate electrons and ions. Experimental and theoretical research is conducted to investigate various aspects of CMEs from their initiation at the Sun, their interplanetary propagation, and the subsequent impact on various heliospheric structures. These studies also include the shock-driving capability of CMEs, as derived from the interplanetary radio emission associated with these solar eruptions. Spacecraft data obtained by white-light coronagraphs and radio instruments are used for these investigations. Emphasis is placed on space weather studies that relate the properties of CMEs to the intensity of geomagnetic storms and solar energetic particle events.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

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Field of Science: Heliophysics Science

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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

- **Degree:** Doctoral Degree.

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Requirements