

Opportunity Title: Heliophysics Science: Magnetosphere-Ionosphere Coupling

Opportunity Reference Code: 0048-NPP-MAR26-GSFC-HelioSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0048-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 \(oua.org\)](#).

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:

Coupling processes between the magnetosphere and ionosphere are being investigated using auroral images from the POLAR and Dynamics Explorer spacecraft, and particles and fields data from these and other STP/LWS Program spacecraft. Of particular interest are (1) the electrodynamic relationships between the particle precipitation, electric-field convection cells, the field-aligned currents, and the global aurora; (2) the source and effects of inverted-V electron precipitation; (3) the association of charged particles and field-aligned currents with aeronomic and ionospheric phenomena; and (4) the relationship between outer magnetosphere phenomena and their signatures at ionospheric altitudes.

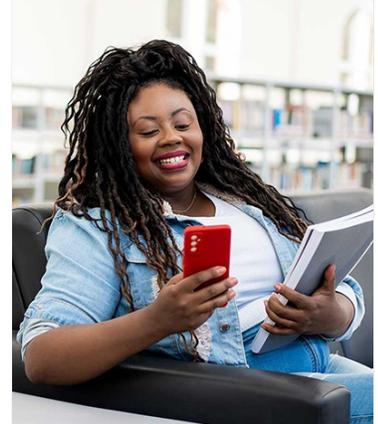
Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Heliophysics Science

Advisors:

Guan Le



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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

Questions about this opportunity? Please email npp@oraui.org

Eligibility • **Degree:** Doctoral Degree.

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Requirements