

Opportunity Title: Heliophysics Science: Energy, Momentum, and Particle Entry into the Magnetosphere

Opportunity Reference Code: 0023-NPP-NOV23-GSFC-HelioSci

Organization National Aeronautics and Space Administration (NASA)

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

Description Recent spacecraft data are being investigated in an attempt to elucidate the mechanisms through which solar-wind, energy, momentum, and particles enter the Earth's magnetosphere. Topics include studies of the polar cusp, the magnetopause, the plasma sheet, the tail lobe, and the plasma mantle and various boundary layers. Such studies are conducted collaboratively using multipoint measurements of magnetic field, plasmas, and electromagnetic waves on a number of different spacecraft. Of special interest are the complex energy and momentum transfer processes that result in the formation and maintenance of the geomagnetic tail and embedded plasma sheet.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Heliophysics Science

Advisors:

Guan Le
guan.le-1@nasa.gov
301-286-1087

Adam Szabo
adam.szabo-1@nasa.gov
301-286-5726

David Gary Sibeck
David.G.Sibeck@nasa.gov
301-286-5998

Edward Sittler
Edward.C.Sittler@nasa.gov
301-286-9215

George V. Khazanov
George.V.Khazanov@nasa.gov
301-286-9742

John Dorelli



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John.Dorelli@nasa.gov
301-286-9753

Larry Kepko
Larry.Kepko@nasa.gov
301-286-2728

Maria M. Kuznetsova
Maria.M.Kuznetsova@nasa.gov
301-286-9751

Yihua Zheng
Yihua.Zheng@nasa.gov
301-286-0111

Marilia Samara
marilia.samara@nasa.gov
301-286-2813

Hyunju Kim Connor
Hyunju.k.connor@nasa.gov
301.286.7417

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

Eligibility Requirements

- **Degree:** Doctoral Degree.