

Opportunity Title: Solar System Exploration: Comparative Studies of Planetary

Magnetospheres

Opportunity Reference Code: 0013-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 Data from the planetary encounters by Mariner 10, by Pioneer 11, and by Voyager 1 and 2 at Jupiter, Saturn, Uranus, and Neptune, as well as data from the SEC fleet spacecraft, are providing a basis for comparative studies of the magnetospheres of the planets and satellites and the nature of the interaction of different members of the planetary system with the solar wind. Both *in situ* measurements such as magnetometer, energetic particle and plasma data, and remote radio astronomical observations are being used to study the formation and dynamical behavior of planetary magnetospheres, and to compare the detailed picture of the terrestrial magnetosphere with our more limited views of the magnetospheric envelopes of the other members of the solar system.

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/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.