

Opportunity Title: Dynamics and Statistics of Solar Eruptive Events and their Relationship to Complexity

Opportunity Reference Code: 0140-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 This opportunity pertains to observations of the complex solar atmosphere, how it is structured and what conditions lead to solar eruptive events. Our group participates in all phases of obtaining and analyzing a rich data archive which includes imaging, spectroscopy, and magnetic field observations. Opportunities exist for participating in research on new techniques of measurement, modern statistical analysis and interpretation of existing data, as well as theoretical and computational modeling to understand the issue of connectivity, or communication, between the different layers of the solar atmosphere. This includes studying the many aspects of the statistical properties and prediction of the solar magnetic field and dynamic energy release.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Heliophysics 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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