

**Opportunity Title:** Heliophysics: Computational Studies of Solar and Stellar Flares

**Opportunity Reference Code:** 0126-NPP-NOV23-GSFC-HelioSci

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0126-NPP-NOV23-GSFC-HelioSci

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

**Description** Our research focuses on understanding basic processes which occur in solar and stellar flares through analyzing data, development of theory, and computational studies. Specifically, we are seeking to understand what mechanisms are involved in the production and transfer of radiation in the flaring atmosphere. Our research makes use of data collected from a variety of ground- and space-based instruments, and we work closely with the teams that operate these instruments. Current research projects include understanding how ion beams may heat the atmosphere during flares, a study of how varying electron and ion beam parameters affects the radiation produced during from flares, and an investigation into how white light is produced in flares.

**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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