

Opportunity Title: Exoplanet science with ground-based telescopes and orbiting starshades

Opportunity Reference Code: 0195-NPP-NOV23-GSFC-Astrophys

Organization: National Aeronautics and Space Administration (NASA)

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

Description: Exoplanets could be observed directly by combining a ground-based telescope operating at visible wavelengths with an orbiting starshade (occultor). We are at the beginning of this new mission concept and seek applicants with deep understanding of exoplanet science and the methods used to detect and characterize them. Experience with observing techniques, adaptive optics, diffraction calculations, starshade design, astronomical instrument design, and systems engineering for large space missions would be highly desirable.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Astrophysics

Advisors:

John C. Mather
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(301) 286-6885

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.



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