Opportunity Title: Astrophysics: Extrasolar Planets and Planet Formation: Theory and Observations
Opportunity Reference Code: 0092-NPP-NOV23-GSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0092-NPP-NOV23-GSFC-Astrophys

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

Description ?
Our group pursues theoretical and observational studies of extrasolar planetary systems, both mature ones and those in the process of forming. Theoretical work includes modeling of planet formation and planet-disk interactions, studying the dynamics of planetary systems, designing high-contrast imaging instruments, and understanding the range of exoplanet properties. Observational work includes studies of protoplanetary and debris disk abundances and compositions using UV to sub-mm spectroscopy, as well as searches for planets and disks around nearby stars using coronagraphic imaging. For our observational studies, we use a wide variety of telescopes and instruments, including the Hubble Space Telescope, the Atacama Large Millimeter Array, the James Webb Space Telescope, and ground-based coronagraphs. We also pursue science studies in support of future space telescopes aimed at direct detection and characterization of extrasolar planets.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Astrophysics

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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

Eligibility Requirements

- **Degree:** Doctoral Degree.