

Opportunity Title: Studies in Support of the Nancy Grace Roman Space

Telescope Mission

Opportunity Reference Code: 0240-NPP-NOV23-GSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0240-NPP-NOV23-GSFC-Astrophys

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

Description NASA is developing the Nancy Grace Roman Space Telescope (formerly the Wide Field InfraRed Survey Telescope - WFIRST), presently scheduled for launch in the mid 2020's. Roman will be an astronomical observatory optimized for wide-area and time-domain surveys in the near-infrared (0.5 - 2.3 micron). The primary science objectives are studying the accelerating expansion of the universe and growth of large scale structure over cosmic time, studying exoplanet demographics, and performing near infrared surveys of the sky for general astrophysics. A technology demonstration coronagraph instrument will enable imaging and spectroscopic studies of exoplanets and dust/debris disks around nearby stars.

The Goddard Space Flight Center is involved in the design and science of the Roman observatory. Astronomical research relevant to the scientific definition of Roman includes: theoretical or observational studies designed to understand the nature of the dark energy, or the nature of the cosmological measurements needed to characterize the dark energy, such as supernovae, weak lensing, baryon acoustic oscillations or cluster surveys; theoretical or observational studies related to exoplanet detection and study via the microlensing technique or coronagraphy; or the analysis of the near-infrared survey for other astrophysics topics ranging from the Solar System to Cosmic Dawn. Instrumentation studies could include optics, detectors, precision calibration, coronagraphy or other aspects of the mission concepts.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

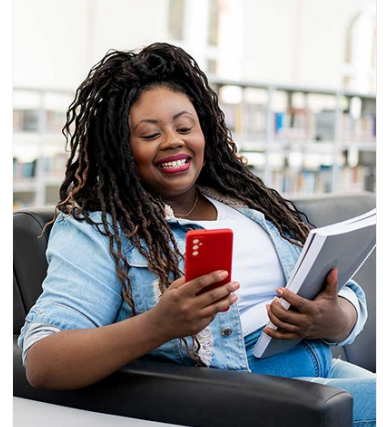
Field of Science:Astrophysics

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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;

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- 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.