Opportunity Title: Technology Development: Laser Transceivers and Electro-Optic Components
Opportunity Reference Code: 0020-NPP-MAR26-GSFC-TechDev

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0020-NPP-MAR26-GSFC-TechDev

How to Apply All applications must be submitted in Zintellect

Please visit the NASA Postdoctoral Program website for application instructions and requirements: How to Apply | NASA Postdoctoral Program (orau.org)

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

Application Deadline 3/1/2026 6:00:59 PM Eastern Time Zone

Description **About the NASA Postdoctoral Program**

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

Description:

Laser and Electro-Optics Branch provides expertise, facilities, and infrastructure to develop Goddard science instrument and spacecraft system hardware. The Branch is a world leader in the development, fabrication and qualification of space flight lasers. The Branch facilities include clean rooms designed and equipped for developing space flight lasers with state-of-the-art optical instrumentation, numerous laser and laser instrument development laboratories, and laboratories dedicated to accelerated testing of laser diode arrays and optics for space qualification and reliability analysis. The Branch continues to develop new concepts and technologies for future generation laser and electro-optic instruments and systems. The Branch has strong technology interest in the development of solid-state, fiber, and diode lasers, optical parametric oscillators, Fabry-Perot etalons, and time-resolved single-photon detectors, diode and laser system testing and qualification, nonlinear harmonic generation, LIght Detection and Ranging (LIDAR) and spectrometer instruments, and free space optical communication systems.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

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Field of Science: Technology Development

Advisors:
Anthony W Yu
Anthony.w.yu@nasa.gov
(301) 614-6248

Elisavet Troupaki
elisavet.troupaki-1@nasa.gov
(301) 614-6119

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

Questions about this opportunity? Please email npp@orau.org

Point of Contact Mikeala

Eligibility Requirements
- **Degree:** Doctoral Degree.