

Opportunity Title: Earth Science: Biospheric Sciences Instrument Calibration and

Characterization

Opportunity Reference Code: 0153-NPP-NOV23-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0153-NPP-NOV23-GSFC-EarthSci

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

Description Space-based remote-sensing capabilities are developed and utilized to determine the physical and biological properties of the Earth's surface and their time-dependent behavior. Such efforts require an array of instruments including ground-based, aircraft, and spacecraft sensors that are properly designed and sufficiently characterized so their impact on property retrievals is well understood. Synergy between multiple sensors and platforms is only feasible when instrumental differences can be corrected. The Biospheric Sciences Branch has an internationally-recognized collection of calibration scientists. Research areas include: 1) development and implementation of preflight and in-flight calibration techniques to assess radiometric and geometric properties of aircraft-based and spaceborne sensors; 2) Instrument quality assessment from preflight and in-flight data, and 3) requirement and design development for future instruments. Post-doctoral candidates are sought with calibration expertise as well as those with instrument-related related experience in remote sensing or similar fields with strong backgrounds in optics, physics, electrical engineering, spectroscopy, or statistics. Further details can be obtained from Joel McCorkel in the Biospheric Sciences Laboratory, please visit the Laboratory Web page at: http://neptune.gsfc.nasa.gov/bsb/

Location:

Goddard Space Flight Center Greenbelt, Maryland

Field of Science: Earth Science

Advisors:

Joel McCorkel joel.mccorkel@nasa.gov 301-614-6675

Xiaoxiong Xiong xiaoxiong.xiong-1@nasa.gov 301-614-5957

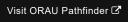
Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found







Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!





Generated: 8/25/2024 2:29:01 PM



Opportunity Title: Earth Science: Biospheric Sciences Instrument Calibration and

Characterization

Opportunity Reference Code: 0153-NPP-NOV23-GSFC-EarthSci

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.

Generated: 8/25/2024 2:29:01 PM