

Opportunity Title: Earth Science: Vegetation and Soil Sciences

Opportunity Reference Code: 0087-NPP-NOV23-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0087-NPP-NOV23-GSFC-EarthSci

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

Description The development and use of space-based remote-sensing instruments provides a unique vantage point from which to characterize the physical and biological properties of the Earth's surface and their time-dependent behavior. Decades of observations from space-based systems also capture the imprint of human activity and climate change, including feedbacks from land use and land cover change on the Earth system. The Biospheric Sciences Laboratory is a leader in the development and use of ground-based, airborne, and satellite instruments to measure, monitor, map, and model surface phenomena. Priority areas of research include the analysis of global-scale ecological processes, particularly as they relate to the influence of climate change and anthropogenic activity; terrestrial carbon cycle; fires, hurricanes, and other large-scale disturbance processes; regional-scale forest ecosystem dynamics in boreal, temperate, and tropical forest ecosystems; and 3-D modeling of light scattering and absorption within the vegetation profile to support the improvement of terrestrial ecosystem for coupling with GCMs. To obtain a more detailed description of the research activities within the Biospheric Sciences Laboratory, please visit the Lab Web page at <https://earth.gsfc.nasa.gov/bio/>

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Earth Science

Advisors:

Lahouari Bounoua
Lahouari.Bounoua@nasa.gov
301-614-6631

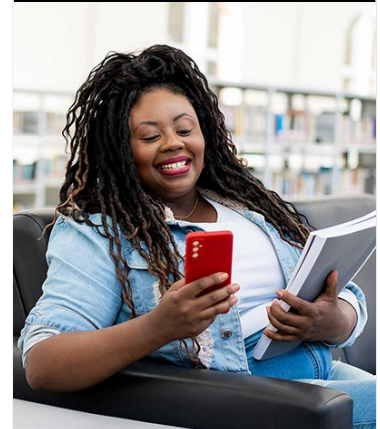
Bruce Cook
Bruce.Cook@nasa.gov
301-614-6689

Temiola Fatoyinbo
Lola.Fatoyinbo@nasa.gov
(301) 614-6660

Douglas Morton
Douglas.Morton@nasa.gov
301-614-6688

Batuhan Osmanoglu
batuhan.osmanoglu@nasa.gov
301.614.6690

K Jon Ranson
Kenneth.J.Ranson@nasa.gov



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!

Visit ORAU Pathfinder [↗](#)



Opportunity Title: Earth Science: Vegetation and Soil Sciences

Opportunity Reference Code: 0087-NPP-NOV23-GSFC-EarthSci

301-614-6650

Christopher S. Rudasill-Neigh
christopher.s.neigh@nasa.gov
(301) 614-6681

Compton J. Tucker
Compton.J.Tucker@nasa.gov
301-614-6644

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/oiiir/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.