

Opportunity Title: Data Science for Satellite Remote Sensing and Earth Science Research

Opportunity Reference Code: 0104-NPP-NOV22-ARC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

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How to Apply All applications must be submitted in [Zintellect](#)

Application Deadline 11/1/2022 6:00:00 PM Eastern Time Zone

Description Description:

The post-doctoral fellow will apply machine learning and/or other data science techniques to conduct scientific research, improve remote sensing data products and analysis, integrate machine learning with physics-based models, and/or improve processing of remotely-sensed Earth Science data. The fellow will be a part of the NASA Earth eXchange (NEX). Current NEX activities include exploiting global geostationary operational satellites for Earth science research and applications, synthesizing low-earth orbiting and geostationary satellite remote sensing for research and applications, modeling terrestrial and marine/aquatic systems, climate downscaling and resilience, and developing open science tools and software for science data processing. Candidates are not limited to proposals that align with these activities and are encouraged to contact the NEX team to discuss fellowship research topics.

Field of Science: Earth Science

Advisors:

Ian Brosnan
ian.g.brosnan@nasa.gov
(650) 604-1881

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.



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