

**Opportunity Title:** Faculty Research Fellowship in Applied Analysis of Human Behavior

**Opportunity Reference Code:** NGA-2022-0004F

**Organization** U.S. Department of Defense (DOD)

**Reference Code** NGA-2022-0004F

**How to Apply** Click on *Apply* at the bottom of the opportunity to start your application.

**Description** The National Geospatial-Intelligence Agency (NGA) is offering a faculty fellowship.

**What will I be doing?**

As an ORISE participant, you will collaborate with a community of scientists and researchers in an effort to leverage expertise applying advanced techniques for analysis of geospatial data to conduct independent, unclassified research in collaboration with an NGA research mentor. You will develop a detailed research plan for your project, to include topic identification, research question specification, data collection, analysis and validation, and dissemination of research findings.

**Why should I apply??**

Under the guidance of an ORISE mentor, you will have a unique opportunity to conduct focused independent research in collaboration with an agency of the United States Intelligence Community (IC), with wide discretion on topic area, data and analytic techniques.

**Where will I be located?**

You will conduct unclassified research remotely (e.g., from a university facility), in collaboration with an NGA research mentor based at an NGA research facility.

**What is the anticipated start date?**

NGA is seeking to appoint the selected candidate during the summer of 2022 with the exact start date to be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships or fellowships will be filled as qualified candidates are identified.

**What is the appointment length?**

This appointment is a twelve month research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

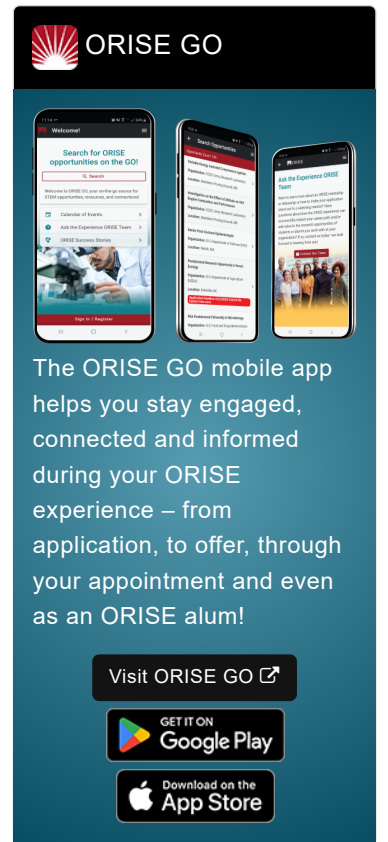
**What are the benefits?**

As a faculty research fellow with NGA, you will receive:

- Research stipend, determined by NGA and based on your academic credentials, commensurate with 2022 GS Locality Pay Tables
- Health Insurance Allowance
- Travel Expense Allowance to support attendance at regional, national and international academic research conferences

**About NGA**

The National Geospatial-Intelligence Agency (NGA) delivers world-class geospatial intelligence that provides a decisive advantage to policymakers, warfighters, intelligence professionals and first responders. Anyone who sails a U.S. ship, flies a U.S. aircraft, makes national policy decisions, fights wars, locates, targets, responds to natural disasters, or even navigates with a cellphone



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relies on NGA. NGA enables all of these critical actions and shapes decisions that impact our world through the indispensable discipline of geospatial intelligence (GEOINT).

#### **About ORISE**

This program, administered by Oak Ridge Associated Universities (ORAU) through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and DoD. Participants do not enter into an employee/employer relationship with ORISE, ORAU, DoD or any other office or agency. Instead, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. For more information, visit the [ORISE Research Participation Program at the U.S. Department of Defense](#).

**Qualifications** The qualified candidate will hold an earned doctoral degree in Computer, Information or Data Sciences, Earth and Geosciences or relevant academic discipline and be a current full-time faculty member at an accredited institution of higher education.

Highly competitive applicants will have education and/or experience in one or more of the following:

- Conceptualizing a broad research agenda and in independently planning and executing advanced academic research projects.
- Research background in collection of spatiotemporal data capturing human or animal behaviors at fine spatial and temporal scales, and analysis of such data using map algebra, time-geography or other appropriate analytic techniques.
- Ability and interest in collecting and analyzing georeferenced data made available by social media platforms.
- Interest in leveraging applied machine learning techniques appropriate for the analysis of spatiotemporal data, to include Bayesian network analysis.
- Advanced knowledge of GIS software and one or more modern scientific computing languages appropriate for analysis of large spatiotemporal datasets (Python, R, etc).

#### **U.S. citizenship is required at the time of application.**

*Submission of an application for this position is authorization for NGA its representatives, and other federal agencies to obtain information relating to the applicants background, educational and professional activities, and online presence for the purpose of conducting risk-based assessments to identify and mitigate conflicts of commitment (CoC) and conflicts of interest (CoI) as defined by [National Security Presidential Memorandum-33](#).*

*By submitting an application, applicants understand the information is for official use only by the federal government and the information may be disclosed only as allowed by law. This authorization shall remain in effect*

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*as long as applicant applies for or receive federal funding or requires access to Controlled Unclassified Information or Classified National Security Information. Applicant understands that their information will be protected from unauthorized disclosure and the collection, maintenance, and disclosure of my information is governed by the Privacy Act.*

### **Application Requirements**






A complete application consists of:

- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. [Click here for detailed information about acceptable transcripts.](#)
- 1 Recommendation. Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender(s) as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

If you have questions, send an email to [orisedod@orise.orau.gov](mailto:orisedod@orise.orau.gov). Please list the reference code of this opportunity [NGA-2022-0004] in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the “Apply” button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

**Connect with ORISE...on the GO!** Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

### **Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** ([5](#) )
  - **Earth and Geosciences** ([2](#) )
  - **Environmental and Marine Sciences** ([2](#) )
  - **Mathematics and Statistics** ([2](#) )
  - **Social and Behavioral Sciences** ([7](#) )
- **Veteran Status:** Veterans Preference, degree received within the last

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120 month(s).