

Opportunity Title: NGA: National Geospatial-Intelligence Agency Visiting Scientist Program

Opportunity Reference Code: NGA-VSP-1

Organization U.S. Department of Defense (DOD)

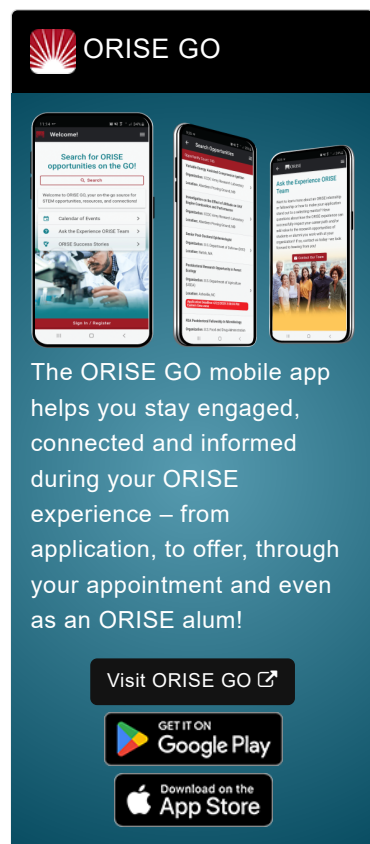
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How to Apply To be considered for an ORISE fellowship with NGA, please submit the following:

- **Resume or CV**
- **Transcripts** - Transcript verifying receipt of Degree/or identifying current enrollment.
- **2 References**
 - An email with a link to the reference form will be emailed to the applicant upon completion of the on-line application. Please send this email to persons you have selected to complete a reference.
 - References should be from persons familiar with your educational and professional qualifications (include your thesis or dissertation advisor, if applicable). Personal references are NOT acceptable.
- **Statement of Research Interests**
 - The statement of research interests should describe previous research experience and outline the relevance to this project. The research interest statement is a significant component of the selection criteria and should be no longer than four-pages. NGA and the selected candidate will cooperatively define mutual research assignments and goals in support of the NGA mission and the candidate's educational pursuits.


Description 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 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).


NGA is developing new methods using statistical models to correlate events unfolding on the ground that are characterized by sequences of observations and reports. These methods should go beyond mere data discovery to expose causal or hierarchical relationships among active entities as revealed in the activities described in these observations and reports, and quantify the level of confidence in these relationships using statistically valid measures. The models should not only capture the temporal dynamics of an entity's activities, but also provide sufficient understanding to allow conclusions with partial data, the identification of hidden dependent variables, and the creation of plausible and verifiable predictions of future activity. NGA is particularly interested in generalizable methods to identify classes of dynamic processes, related diagnostic variables, and create predictive models. NGA anticipates using the fruits of this effort to assist analysts in discovering correlations and patterned relationships among actors and events, and to make reasonable predictions




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

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of future courses of action and their consequences.

Headquartered in Springfield, VA, with facilities in St. Louis, MO, NGA is a member of the U.S. Intelligence Community and a Department of Defense (DoD) Combat Support Agency.

- Qualifications**
- Applicants should have received a Masters or Ph.D within the last five years or should complete all requirements for the degree before the starting date. Students who have not completed their degrees should have completed all required courses and qualifying examinations.
 - Current college or university faculty members on sabbatical are also eligible. Other applicants will be considered on a case-by-case basis. Sought Disciplines include: Physics, Statistics, Mathematics, Computer Science, Electrical Engineering, Industrial-Organizational Psychology, Social Psychology, Cognitive Psychology, Decision Sciences, Operations Research, Astrophysics, Remote Sensing or related fields.
 - U.S. citizenship is required for the applicant and all immediate family members. Please see further eligibility under security requirements.
 - A background check will be conducted for an SCI security clearance. Completion of a Questionnaire for National Security Positions is required. Details under security requirements.
 - NGA is a drug-free workplace. Initial and random drug tests will be conducted.

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree.
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([16](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Engineering** ([7](#) )
 - **Environmental and Marine Sciences** ([2](#) )
 - **Mathematics and Statistics** ([10](#) )
 - **Physics** ([16](#) )
 - **Social and Behavioral Sciences** ([1](#) )