

Opportunity Title: NGA: Advanced Research in Radar

Opportunity Reference Code: NGA-RRT-19-20

Organization U.S. Department of Defense (DOD)

Reference Code NGA-RRT-19-20

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.

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).

The NGA Research Radar team conducts advanced research aimed at producing automated observations over large areas of the earth by exploiting the data from radar systems and leveraging the increasing supply of commercially available sources. NGA is interested in scientists to aid our research efforts in this area that has broad application to the Intelligence Community and the Department of Defense.

Selected participants will have the opportunity to engage with state-of-the-art experimental equipment and software as well as researching and learning along side established scientists in their field.

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**
- Student applicants must be completing a Ph.D. or post-doctoral appointment with backgrounds in Geospatial Information Science, Physics, Mathematics, Statistics, Geography, Computer Science, Geometry, Visual Cognition, Nuclear Physics, Astrophysics, Remote Sensing, or a related field.
 - Current college or university faculty members on sabbatical are also eligible. Other applicants will be considered on a case-by-case basis.
 - Applicants must demonstrate experience applying the scientific method and modern research techniques in a field directly applicable or highly



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related to the Research Pod.

- Applicants should have experience conducting research within a research environment and show an ability to conceptualize a broad research agenda, to plan and execute specific research projects, and to meet research expectations. Applicants should have excellent verbal and written communication skills.
- U.S. citizenship is required for the applicant. Please see further eligibility under Security Requirements.
- If the research project is classified, a background check will be conducted for a Sensitive Compartmented Information (SCI) security clearance and completion of a Questionnaire for National Security Positions will be required. Visiting scientists are also subject to Counterintelligence Polygraph examinations and drug testing in order to maintain access to Top Secret information. Please refer to section on Security Requirements.

**Eligibility
Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Communications and Graphics Design** ([1](#) )
 - **Computer, Information, and Data Sciences** ([16](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Engineering** ([27](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([45](#) )
 - **Mathematics and Statistics** ([10](#) )
 - **Other Non-Science & Engineering** ([2](#) )
 - **Physics** ([16](#) )
 - **Science & Engineering-related** ([1](#) )
 - **Social and Behavioral Sciences** ([27](#) )