Opportunity Title: Wind Energy Grid Integration, Cybersecurity, and Grid Reliability Services Opportunity
Opportunity Reference Code: DOE-EERE-STP-WETO-2019-5000

Organization U.S. Department of Energy (DOE)

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Description

The Energy Efficiency and Renewable Energy (EERE) Science, Technology and Policy (STP) Program serves as a next step in the educational and professional development of scientists and engineers by providing opportunities to participate in policy-related projects at U.S. Department of Energy(DOE) Office of Energy Efficiency and Renewable Energy in Washington, D.C. Participants will become part of a group of highly-trained scientists and engineers with the education, background, and experience to be part of the workforce that supports the DOE's mission in the future.

ORISE is continuing normal program operations during the COVID-19 pandemic. This opportunity will be offered as long as the Department of Energy Headquarters is able to complete the onboarding process and ensure a meaningful experience to participants. We encourage you to apply and submit your application as soon as possible. Updates to this opportunity will be provided on this page as needed

The EERE Wind Energy Technologies Office supports research and development around wind energy technology advancements, siting sciences and grid integration. The Office seeks to lower the levelized cost of wind energy, ensure access to wind resources, and ensure successful integration into the nation's electrical grids. For more information about the office please visit: https://www.energy.gov/eere/wind/wind-energy-technologies-office.

The Wind Energy Technologies Office is seeking a motivated candidate to join our Grid Integration program for a 1-year appointment. The ideal candidate will have knowledge of, and preferably some real-world experience with, power systems planning and operation, energy market, control and power electronics, and/or cybersecurity. The selected candidate will join the Grid Integration team responsible for the development and implementation of programmatic priorities, and technical management and oversight of the grid integration portfolio of R&D projects. Under the mentorship of EERE staff, the candidate will be involved in the following activities: overseeing the planning and execution of research projects at DOE National Labs; reviewing calls for new research; collaboration across DOE Offices and Programs to coordinate grid-related research initiatives; and help frame the future direction of the Office's offshore wind and land-based grid research portfolio.

Participant Benefits

Selected participants will receive a stipend as support for their

living and other expenses during this appointment. Stipend rates are determined by EERE officials and are based on the candidate's academic and professional background. Relocation expenses, not to exceed $5,000, incurred in relocating from the participant's current address to Washington, D.C. (if more than 50 miles from the address shown on the application), may be reimbursed. Participants will receive a travel allowance of $10,000 per appointment year to cover travel-related expenses to scientific and professional development activities.

This opportunity is available to U.S. citizens and Lawful Permanent Residents. (LPR).

For more information about the EERE Science, Technology and Policy Program, please visit https://www.energy.gov/eere/education/energy-efficiency-and-renewable-energy-science-technology-and-policy-program

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOE, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE letter of appointment and Terms of Appointment.

Qualifications

Program eligibility requirements can be found at: visit https://www.energy.gov/eere/education/energy-efficiency-and-renewable-energy-science-technology-and-policy-program

Preferred qualifications:

- Master or PhD degree in Engineering
- Some energy industry experience, in particular electrical utility experience
- Course work in power system analysis, control and optimization, or cybersecurity
- Minimum GPA 3.0

A complete application consists of:

- Profile Information
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Transcript(s) - 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. Selected candidate may be required to provide proof of completion of the degree before the appointment can start.
- A current resume/curriculum vitae (CV)
- One recommendation- Recommenders are asked to describe applicant's Scientific Capabilities and Personal

Characteristics and must specify how they know the applicant. *While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. Letters of recommendation must be submitted on your behalf before selections are completed and offers are made.*

If you have questions, please send an email to DOE-RPP@orise.orau.gov. Please list the reference code for this opportunity in the subject line of your email.

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree or Doctoral Degree.
- **Discipline(s):**
  - **Engineering** (3 👁)
- **Age:** Must be 18 years of age