Opportunity Title: Electric Vehicles Charging Fellow: Joint Office of Energy and Transportation
Opportunity Reference Code: DOE-EERE-STP-JOET-2023

Organization U.S. Department of Energy (DOE)

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How to Apply Click the "Apply" button below to apply to this opportunity.

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Description The U.S. Department of Energy, Energy Efficiency and Renewable Energy (EERE) Science, Technology, and Policy (STP) Program serves as a next step in the educational and professional development of recent graduates by providing opportunities to participate in policy-related projects at DOE's EERE offices in Washington, D.C. Participants will collaborate with and learn from government scientists, engineers, program managers, and policymakers to gain experience learning about projects that support DOE's mission to combat the climate crisis, create good clean energy jobs, and promote energy justice.

The Joint Office of Energy and Transportation (JOET or "Joint Office") is an office funded under the Bipartisan Infrastructure Law (BIL) to coordinate and leverage activities across the U.S. Department of Energy and Department of Transportation. The mission of the Joint Office is to accelerate an electrified transportation system that is affordable, convenient, equitable, reliable, and safe. The Joint Office will harness a broad range of public and private sector expertise to accelerate transportation electrification, lower emissions, and enable new economic and workforce opportunities to create a resilient and sustainable transportation future by making Electronic Vehicles (EVs) an easy choice for everyone. JOET applies a collaborative interagency approach to support the investment in, and deployment of, a convenient, reliable, affordable, accessible, and equitable national EV charging network supporting the successful execution of BIL funds for (1) states to build a national EV charging network along corridors, (2) community EV charging, (3) low- and no-emission transit buses, and (4) electric school buses. The Joint Office portfolio includes technical/equity assistance and capacity building, development and support of program guidance, standards, and requirements, proof-of-concept demonstrations, stakeholder engagement, and program and equity evaluation for the deployment of the EV charging network and other electrification investments in the BIL.

JOET is seeking dynamic, innovative Fellows for electric vehicles charging research. This Fellowship will last one year, with the opportunity to renew for additional years at discretion of the sponsoring office. Areas of professional development may include:

- Learning how to review and make recommendations on the EV charging proposals for the National Electric Vehicle Infrastructure Formula and Grant Programs as executed by the Federal Highway Administration.
- Building relationships to engage programs and public-private partnerships to increase the speed of transitioning to EVs and deploying the supporting infrastructure.
- Engaging in critical aspects of the Joint Office of Energy and Transportation's mission.
- Conducting technical reviews of projects funded by the Joint Office.
- Drafting key documents summarizing program strategy and accomplishments, as well as technoeconomic analysis to inform the Joint Office activities.
- Under the guidance of a mentor, collaborating on and directing the modeling and analysis of vehicle charging infrastructure and electric grid integration.

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- Organizing meetings, workshops, and conferences to solicit feedback from expert stakeholders on the Joint Office activities.
- Engaging in the development and implementation of standards and requirements for EV charging to ensure a high-quality driver experience.
- Giving presentations at technical conferences and events to solicit stakeholder feedback on Joint Office activities.
- Collaborating with DOE, DOT, and other agencies on EV charging plans, transit and school bus electrification, research, and reports.
- Reviewing and analyzing project progress and other technical reports.
- Engaging with DOE to communicate with researchers to address questions and issues that arise.
- Collaborating on the scoping of key demonstration and proof of concept projects that will enable and accelerate the Joint Office vision.
- Support the development of relatable, understandable, and memorable communications products for a wide range of audiences.

Location

Washington, D.C.

Participant Benefits

Selected candidates will receive a competitive stipend. Stipend rates are determined by DOE officials, and are based on the candidate's academic and professional background. Candidates will also be eligible to receive a stipend supplement to offset the cost of health insurance premiums and relocation of up to $5,000. A travel and research allowance of $10,000 will also be available to participants for each appointment year. Extension of the appointment beyond the first year will be subject to satisfactory progress toward completion of the project assignments, and availability of funds.

Nature of the 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.

For more information on 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.

Qualifications

· Be a U.S. Citizen or Lawful Permanent Resident.

· Be currently pursing, or have completed requirements for, a Bachelor's, Master's or Doctoral Degree.

An ideal applicant will have superior academic performance and publication record, strong analytical, research and communication (oral and written) skills and demonstrated capacity for creative thinking, a strong technical background and expertise in an energy-technology-related field, and be interested in being part of a multi-disciplinary, fast-paced environment, focused on energy technology research and development. Expertise in one or more EERE technology area (e.g., renewable energy, clean

transportation, storage technologies) is helpful, but enthusiasm and willingness to develop new expertise are paramount.

A completed application consists of:

- Profile Information
- Application Questions (*goals, experiences, and skills relevant to the opportunity*)
- Transcript(s) - 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/CV
- One Letter of recommendation - 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. The letter of recommendation must be submitted on your behalf before selections are completed and offers are made.

CV must include the following:

- Applicant Information
- Education History. List all institutions from which you received or expect to receive a degree, beginning with current or most recent institution. Include the name of the academic institution, degree awarded or expected, date of awarded or expected degree, and academic discipline.
- Work and Research Experience. List all work and research experiences beginning with current or most recent. Include the name of the employer, location, position held, and time period involved.
- Leadership Experience. List experiences (e.g., work, civic, volunteer, research) that demonstrate your leadership skills. Detail your role, type of experience, organization, location, and duration.
- Honors and Awards. List in chronological order (most recent first) any awards or public recognitions. Include the name of awarding institution, title of the award or honor, and date of award or honor.
- Publications. List publications in the following order: 1) referee journals; 2) books; 3) published proceedings; 4) non-refereed articles; and 5) patents. Citations must include a) authors; b) year of publication; c) title; d) full name of journal; e) volume number; and f) page number(s).

If you have questions, please send an email to DOE-RPP@orise.orau.gov. Please list the reference code DOE-EERE-STP-JOET-2023 for this opportunity in the subject line of your email.

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree.

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- **Discipline(s):**
  - **Business** (4 👁)
  - **Communications and Graphics Design** (2 👁)
  - **Computer, Information, and Data Sciences** (4 👁)
  - **Engineering** (9 👁)
  - **Life Health and Medical Sciences** (1 👁)
  - **Mathematics and Statistics** (2 👁)
  - **Other Non-Science & Engineering** (2 👁)
  - **Social and Behavioral Sciences** (4 👁)
- **Age:** Must be 18 years of age