Opportunity Title: Research and Development of Energy, Waste, Water Systems, and Technologies Fellowship: U.S. Army ERDC Construction Engineering Research Laboratory
Opportunity Reference Code: ERDC-CERL-2023-0010

Organization	U.S. Department of Defense (DOD)
Reference Code	ERDC-CERL-2023-0010
How to Apply	Click on *Apply* now to start your application.
Description	The U.S. Army Corps of Engineers (USACE) Engineer Research and Development Center (ERDC) Construction Engineering Research Laboratory (CERL) develops and infuses innovative technologies to provide excellent facilities and realistic training lands for the Department of Defense, the U.S. Army and many other customers while also supporting ERDC's research and development mission in geospatial research and engineering, military engineering, and civil works.

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What will I be doing?

Under the guidance of a mentor, you will have the opportunity to gain knowledge in water technology development to include waste research and best practices, planning, design, commissioning and troubleshooting of energy systems, preparation for technical briefings and testing and analysis of water systems and technologies.

Why should I apply?

This fellowship provides the opportunity to independently utilize your skills and engage with experts in innovative ideas to move the proposed research forward.

Where will I be located? Champaign, Illinois

What is the anticipated start date?

Exact start date will be determined at the time of selection and in coordination with the selected candidate.

What is the appointment length?

This appointment is a full-time six-month research appointment. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.
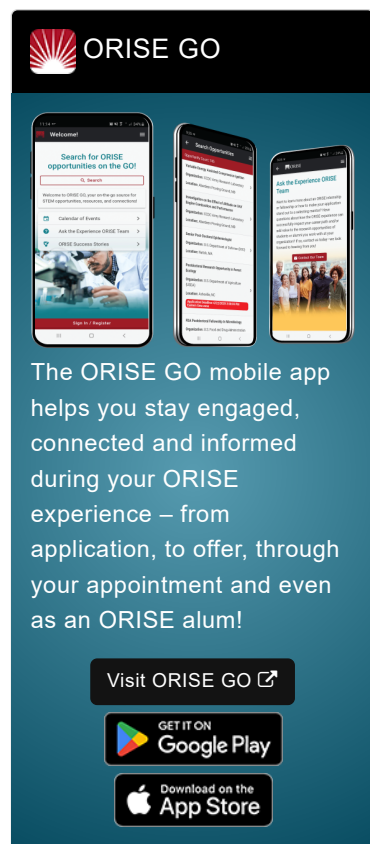
What are the benefits?

You will receive a stipend to be determined by ERDC-CERL but will be in the range of $52,920-$78,325 annually ($4410-$6527 monthly). Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement (*Participants are eligible to purchase health insurance through ORISE*)
- Relocation Allowance
- Training and Travel Allowance

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 ideal candidate will have a bachelor, master's, or doctoral degree and prior experience in Electrical or Mechanical Engineering, or related fields.

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 official 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](#).
- One 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.

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system. All documents must be in English or include an official English translation. If you have questions, send an email to USACE@orise.orau.gov. Please list the reference code of this opportunity 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.

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Eligibility Requirements	- **Citizenship:** U.S. Citizen Only
	- **Degree:** High School Diploma/GED, Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
	- **Discipline(s):**
	    ○ **Chemistry and Materials Sciences** ([12](#) 👁)
	    ○ **Earth and Geosciences** ([21](#) 👁)
	    ○ **Engineering** ([27](#) 👁)
	    ○ **Environmental and Marine Sciences** ([14](#) 👁)
	    ○ **Life Health and Medical Sciences** ([48](#) 👁)
	    ○ **Physics** ([16](#) 👁)

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- **Science & Engineering-related** ([2 👁])
  - **Age:** Must be 18 years of age