

Hi CEE Graduate Students,

Please see this week's announcements below:

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2023 Ford Foundation Fellowships

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Summer Internships at Lawrence Livermore National Laboratory

28th Annual Cancer Research Symposium on October 6-7

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Clubs and Resources

Expert, One-on-One, Free Writing Support for UCD Graduate Students, & other writing resources

CEE GSA Representative

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Thriving in Graduate School for Well-Being Tips, Resources, and Community Events

Job Opportunities

Assistant Professor in Structural Engineering at South Dakota State University

Environmental Engineering Faculty Position at Minnesota Duluth

STDT 4 Administrative Assistant for DHI

TA Opportunity - SOC 1

Tenure Track Faculty Positions in Civil, Construction and Environmental Engineering at NCSU

TA Opportunity for ECS 188, Fall 2022

USC Viterbi School of Engineering Faculty Positions

Open-Rank Tenured/Tenure-Track Faculty Positions in Civil and Environmental Engineering at Rowan University

Fellowships

2023 Hertz Fellowship

Areas of Impact:

- HUMAN HEALTH
- NATIONAL SECURITY
- ENERGY
- SPACE EXPLORATION
- ENVIRONMENT
- LEADERSHIP
- TECHNOLOGY

Frequently Asked Questions: <https://www.hertzfoundation.org/the-fellowship/faq/>

To Apply: <https://fellowship.hertzfoundation.org/apply/>

Compensation

The Hertz Fellowship compensation package includes a cost-of-education allowance and a personal stipend valued at up to \$250,000.

Fellows have two options for receiving their fellowship compensation.

Option 1: Funding from the Hertz Foundation Only

- \$34,000/nine-month personal stipend
- Full tuition equivalent
- Renewable annually for up to five years
- \$5,000/year stipend for fellows with dependent children

Option 2: Coordination with Another Awarding Institution

If you receive a fellowship, scholarship, or grant offer from another institution, we'll coordinate with that institution to make sure you can take advantage of each offer and receive the maximum possible compensation.

Example: Three year fellowship with the National Science Foundation (NSF)

- Hertz Foundation period: Full tuition equivalent and \$40,000/nine-month personal stipend
- NSF period: \$8,000/year supplemental stipend from Hertz Foundation
- Renewable annually for up to five years
- \$5,000/year stipend for fellows with dependent children

2023 Ford Foundation Fellowships

The National Academies of Sciences, Engineering, and Medicine is accepting applications for the 2023 Ford Foundation Fellowship Programs. Eligibility and online application information are available on the Ford Foundation Fellowship Programs website.

Through its program of fellowships, the Ford Foundation seeks to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, maximize the educational benefits of diversity, and increase the number of professors who can and will use diversity as a resource for enriching the education of all students.

Please encourage eligible candidates at your institution to apply to be a part of the Ford Fellows and celebrate the legacy of this impactful program!

Eligibility Requirements:

- U.S. citizens, U.S. nationals, and U.S. permanent residents (holders of a Permanent Resident Card); individuals granted deferred action status under the Deferred Action for Childhood Arrivals Program (DACA) program;¹ Indigenous individuals exercising rights associated with the Jay Treaty of 1794; individuals granted Temporary Protected Status; asylees; and refugees, regardless of race, national origin, religion, gender, age, disability, or sexual orientation;
- Individuals with evidence of superior academic achievement (such as grade point average, class rank, honors or other designations); and
- Individuals committed to a career in teaching and research at the college or university level in the U.S.
- ¹Eligibility includes individuals with current status under the DACA Program, as well as individuals whose status may have lapsed but who continue to meet all the USCIS guidelines for DACA.

Stipends:

- Predoctoral: \$27,000 per year for three years
- Dissertation: \$28,000 for one year
- Postdoctoral: \$50,000 for one year

Application Deadline Dates:

- Predoctoral: December 15, 2022 (5:00 PM EST)
- Dissertation: December 8, 2022 (5:00 PM EST)
- Postdoctoral: December 8, 2022 (5:00 PM EST)

Supplementary Materials Deadline Date (Submitted Applications):
January 5, 2023 (5:00 PM EST)

Professional Development

Summer Internships at Lawrence Livermore National Laboratory

Work at a National Laboratory

Graduate and undergraduate students can engage in cutting-edge scientific research to further their educational and research goals through a paid summer internship with the Lawrence Livermore National Laboratory (LLNL).

LLNL interns work with some of the best minds to tackle some of the world's largest problems and gain real-world, applied experience aided by mentors who help them realize project goals.

Background

The 17 National Laboratories have served as the leading institutions for scientific innovation in the United States for more than seventy years.

The Labs tackle the critical scientific challenges and possess unique instruments and facilities, many of which are found nowhere else in the world. They address large scale, complex research and development challenges with a multidisciplinary approach that places an emphasis on translating basic science to innovation.

REGISTER HERE!

October 20, 2022
11:00AM – 12:00PM
on Zoom

Presenter
Dr. Eric Schwegler Director, Academic Engagement Office
Lawrence Livermore National Laboratory

28th Annual Cancer Research Symposium on October 6-7

For registration, please visit: <https://www.eventbrite.com/e/28th-annual-cancer-research-symposium-tickets-401367810927>

Got an F? Invest in your future with an NIH Award

Zoom information sessions will be held on November 8th and November 16th (details attached)

Oct. 6th State & Federal Agencies Virtual Career Fair

California's water and wastewater agencies are hiring right now for a variety of exciting and interesting roles. A career in water offers numerous benefits, including: family sustaining wages and benefits; opportunity to work on a great team; and serving your community by protecting clean water. Water professionals are the heroes within their communities.

Join our virtual career fair

with State & Federal Agencies on October 6:

REGISTER FOR FREE

During this virtual career fair, meet with the US EPA Region 9 and CA Department of Water Resources (DWR) in a Zoom webinar format. They'll describe the opportunities available, and team members will describe their role and how they got started on their water career path.

Graduate Student Mentors

The Graduate Student & Postdoctoral SACNAS chapter at UC Davis is holding their second annual Mentor Match program. **They are looking for graduate students who can mentor undergraduates applying to graduate school this fall.** The deadline is September 30th. For more information and to apply as a graduate student mentor, use this [mentor application](#). To learn more and apply to be an undergraduate or postbac mentee, use this [mentee application](#).

Volunteers Needed for Middle School STEM Outreach

[STEM Squad](#) is an after school STEM program for middle school students facilitated by the UC Davis graduate student organization Equity in Science, Technology, Engineering, Math, and Entrepreneurship ([ESTEME](#)).

They are looking for volunteers to help lead or facilitate activities in-person at Holy Rosary Catholic School and Winters Middle School this winter. There is no experience or specific knowledge background required -- just a passion for STEM and a willingness to work with and encourage inquisitive, intelligent, and energetic kids!

Check out the [STEM Squad Calendar](#) for the dates and times of all of their activities and prep sessions this year.

To sign up to be a STEM Squad volunteer (help facilitate activities) this next quarter, please fill out this [form](#).

To sign up to be a STEM Squad activity lead (design and lead activities) this next quarter, please fill out this [form](#).

If you have questions, please contact the activity and volunteer coordinator, Forrest Li (frli@ucdavis.edu).

Fall 2022 Graduate Teaching Community

Are you interested in learning more about evidence-based research on teaching and learning?

Do you want to improve your teaching and develop strategies that lead to better learning outcomes?

Do you want to build a competitive CV?

Do you want to collaborate with an interdisciplinary graduate student group?

If you answered YES to any of these questions, join the Graduate Teaching Community today!

Weekly Meeting Time: Wednesdays, 1:10-2:00 pm

First Meeting: Wednesday, October 5th

Location: Participants can attend via Zoom or in person at the Grove, room 1353. Register here.

Facilitators: Ian Lim (itlim@ucdavis.edu) and Jeff Nichols (jsnichols@ucdavis.edu)

What occurs in Graduate Teaching Community (GTC) meetings?

GTC meetings are informal, discussion-based gatherings geared toward enhancing the teaching skills of graduate student instructors. Meetings include opportunities for participants to share their teaching practices and classroom experiences, as well as discussion of evidence-based teaching and learning strategies facilitated by GTC participants. In Fall 2022, the group will use the book *Teaching Matters: A Guide for Graduate Students* by Aeron Haynie and Stephanie Spong as the basis of their discussions. It is available as a free e-book to the UC Davis community through the UC Davis Library.

What are the benefits of joining the Graduate Teaching Community?

Participants gain confidence in the classroom and a deeper understanding of learner-centered, inclusive teaching practices. Participation in the Graduate Teaching Community is also a great feature to include on a CV to demonstrate professional development in teaching. Participants can earn a micro-credential by attending a required number of sessions, facilitating a discussion on a teaching and/or learning topic, and submitting a written reflection on the teaching topics presented.

[Click here to learn more about the Graduate Teaching Community.](#)

US DOT Summer Transportation Internship Program for Diverse Groups (STIPDG)

STIPDG is a paid opportunity for college and graduate students to get insight into working for the federal government and gain professional experience. The internship is substantive and project-based, and includes a stipend, mentorship from federal staff, professional development programming, and paid housing and travel for students who do not reside near their assigned internship site. Interns will be placed in Washington, DC and at DOT offices around the country. The Washington Center administers this program in close coordination with US DOT. There is no fee for students (or their institutions) to apply or participate.

People from groups under-represented in the federal workforce, including students of color, first-generation college students, low-income students, and students with disabilities, are strongly encouraged to apply. Applicants must be US citizens. Please feel free to circulate signups for the following recurring virtual sessions to students at your institution:

[STIPDG Virtual Information Sessions](#)

[STIPDG Application Tips and Support Webinars](#)

Students can visit [the STIPDG website](#) to apply, or read the [online brochure](#) (which also features information on other federal internship programs administered by TWC) to learn more.

The internships are open to students in all academic areas and can include technical or administrative projects. STIPDG is an especially good match for students focused on civil engineering, systems engineering, urban planning, environment and sustainability, data science, computer science, political science, public administration, or law. All participants must be enrolled in a degree-granting program in fall 2023.

Clubs and Resources

Expert, One-on-One, Free Writing Support for UCD Graduate Students, & other writing resources

The Graduate Writing Fellows program, run by the University Writing Program's Writing Across the Curriculum and sponsored by Grad Pathways, offers expert one-on-one writing consultations, led by strong writers and experienced tutors pursuing PhDs in Neuroscience, Geography, English, Biological Systems Engineering, and Animal Biology. These Fellows can support students across disciplines with:

- organization
- clarity
- writer's block
- sentence-level editing and style
- multilingual challenges and grammar
- audience awareness

- fellowship and grant proposals
- dissertations and theses
- seminar papers
- research articles
- conference papers
- teaching philosophies, and more

We also run a Graduate Certificate in Writing Theory and Practice, a Writing Partners program, themed Writing Retreats, and a number of Writing Workshops taught by UWP faculty each quarter, posted on the GradPathways calendar:

<https://writing.ucdavis.edu/gradwriting/consultations>

<https://writing.ucdavis.edu/gradwriting>

<https://gradpathways.ucdavis.edu/calendar>

CEE GSA Representative

Interested in getting involved with the UC Davis GSA? [Learn more here](#)

Please find the 2022 - 2023 GSA rep registration form [here](#).

Engineers Without Borders at UCD

Welcome Info Night event taking place at 6pm in the Teaching Learning Complex 1010 on 10/10. See attached flier for details.

Thriving in Graduate School for Well-Being Tips, Resources, and Community Events

Balancing the demands of life as a graduate student can be stressful and challenging, but you don't have to do it alone. Join a community of staff and students that are here to help you thrive.

By joining Thriving in Graduate School, you will:

Learn how to cultivate well-being in your personal, academic, and professional life.

Receive weekly emails with tips to help you incorporate well-being practices into your life.

Learn tools for creating conditions for well-being in group spaces like labs and classrooms.

Be invited to attend community building events.

Join Thriving in Graduate School: bit.ly/ucdtgs

Job Opportunities

Assistant Professor in Structural Engineering at South Dakota State University

The Department of Civil and Environmental Engineering at South Dakota State University invites applications for a 9-month, full-time, benefit eligible, tenure-track position. This position is at the rank of

Assistant Professor in the area of Structural Engineering and the appointment begins in August of 2023. The department is currently enjoying new and renovated facilities, growth in graduate education and research, and strong ties to its regional constituents. Applications are invited in any area of Structural Engineering. Candidates with expertise in the areas of engineering for extreme loading conditions, experimental research, reliability and risk assessment, computational mechanics, structural health monitoring, and innovative materials are especially encouraged to apply. This position is supervised by the Department Head of Civil and Environmental Engineering.

Environmental Engineering Faculty Position at Minnesota Duluth

The Department of Civil Engineering in the Swenson College of Science and Engineering at the University of Minnesota Duluth (UMD) invites applications for a tenure-track Assistant Professor position beginning on August 21, 2023.

The department has issued a broad search that includes the area of Environmental/Water Resources Engineering. Targeted areas of interest in Environmental/Water Resources include, but are not limited to water management, wastewater treatment, or emerging contaminants.

Candidates must have a Ph.D. in Civil Engineering, Environmental Engineering, or a closely related field by July 1, 2023. Please see <https://scse.d.umn.edu/about/faculty-searches>
Faculty members advise graduate students in the Civil Engineering M.S. Program, as well as the Water Resources Science, Applied Materials Science, and Integrated Biosciences Graduate Programs and are eligible for appointments in other graduate programs in the University of Minnesota system. Additionally, faculty members may advise Ph.D. students in the Water Resources Science and Integrated Biosciences Graduate Program, or through appointments on the University of Minnesota Twin Cities campus. State-of-the-art research and instructional facilities and startup funding are available. Opportunities exist for collaboration with faculty across campus, as well as scientists at the Natural Resources Research Institute, the Large Lakes Observatory, and local, state, and federal agencies.

STDT 4 Administrative Assistant for DHI

The Davis Humanities Institute (DHI) is seeking a STDT 4 Administrative Assistant for the Fall. Position for Fall 2022 for a graduate student employee at 25% time with the UC Davis Humanities Institute.

Together with a second 25% student employee, core duties will include:

- Attending weekly (Wednesday 10-11am) staff meetings to stay abreast of DHI programs and events
- Creating and sending out weekly Mailchimp announcements of DHI and campus arts and humanities events and opportunities
- Putting out social media announcements and other publicity throughout the week
- Creating regular podcasts of faculty, students, and special projects to put up on the DHI website and on social media

Additional duties may include:

- Assisting with design of flyers, brochures, and publicity
- Assisting with maintenance of DHI spreadsheets on grants, grantees, and events
- Providing programs support to the Associate Director and other staff as needed
- Updating the DHI website
- Assisting GSR in quarterly newsletter

TA Opportunity - SOC 1

The Department of Sociology is seeking one Teaching Assistant for:

SOC 001 — Introduction to Sociology

Course Description: Principles and basic concepts of sociology. The study of groups, culture, collective behavior, classes and caste, community and ecology, role, status, and personality.

Lecture: Monday and Wednesday 4:10-6:00pm

Sections: Fridays 8-8:50am and 9-9:50am

This position is 50% time, on campus and in person. The TA will attend course lectures; lead two discussion sections each; maintain student records and grades; read and evaluate written and oral assignments; and proctor all exams. Additionally, the TA will hold 2 office hours per week.

Required Qualifications:

- Must have attended, or will attend prior to beginning this position, the mandatory [CEE TA orientation \(offered every September\)](#).
- Must complete [Sexual Harassment Prevention Training](#) online prior to beginning position.
- Must be eligible to hold a [graduate academic appointment](#).

Preferred Qualifications:

- Undergraduate or graduate work in sociology or related field
- Experience as a teacher, TA, Reader, and/or AI

Application Details:

To apply, please send cover letter with explanation of qualifications and current CV to Jacque Leaver at jjleaver@ucdavis.edu

Or apply through Handshake Job #7035994

Tenure Track Faculty Positions in Civil, Construction and Environmental Engineering at NCSU

The Department of Civil, Construction, and Environmental Engineering (CCEE) at North Carolina State University (NCSU) expects to hire three to five new faculty over the next two years. CCEE has seven core research areas:

- Computing and Systems
- Construction Engineering
- Environmental, Water Resources, and Coastal Engineering

- Geotechnical and Geoenvironmental Engineering
- Mechanics and Materials
- Structural Engineering and Mechanics
- Transportation Systems and Materials

We invite applications from scholars with expertise in any of these areas. We are looking for intellectual leaders with an ability to think broadly and collaborate within and outside the department to provide creative solutions to growing challenges related to infrastructure systems. These include, but are not limited to, (a) developing the next generation of sustainable and resilient infrastructure, (b) mitigating and adapting to climate change, (c) engaging the community and operationalizing equity and justice into design and decision-making. We are looking for scholars grounded in fundamentals, with problem solving skills and a passion to make a societal impact.

Appointments are expected to be at the assistant professor level, although exceptionally qualified candidates may be considered at higher levels. An earned doctorate degree in civil engineering or a closely related field is required. Post-doctoral experience, professional experience, and a professional engineering license are desirable but not required.

Successful candidates should be able to participate in multidisciplinary initiatives to support the missions of the department and the college. We are seeking colleagues to join a vibrant department with 52 faculty, 739 undergraduate students, 290 graduate students, and 59 distance-education students. The CCEE department recently moved to a new building (Fitts-Woolard Hall) with all new laboratories on NCSU's Centennial Campus. We seek candidates who are able to develop and maintain a nationally recognized and externally funded research program within their area of expertise, teach graduate and undergraduate courses, and collaborate across disciplines.

Review of applications will begin immediately and applications will be accepted until the positions are filled.

Interested applicants should apply online at <https://jobs.ncsu.edu/postings/170575>. Attach individual pdf files of the following: a cover letter, resume, a combined statement of research and teaching interests, transcripts of graduate work, copies of no more than three representative publications, and contact information for at least three references.

TA Opportunity for ECS 188, Fall 2022

The Department of Computer Science is seeking a 25% or 50% TA for ECS 188 - *Ethics in an Age of Tech* this Fall 2022. ECS 188 is fundamentally a reading and writing course, so the TA will be doing a lot of reading and critiquing student writing.

The TA will assist both offerings taught by Profs. Amenta and Koehl.

Interested students should contact csgradadvising@ucdavis.edu.

USC Viterbi School of Engineering Faculty Positions

The Sonny Astani Department of Civil and Environmental Engineering (<http://cee.usc.edu>) in the USC Viterbi School of Engineering is searching for outstanding faculty candidates in three areas:

- *Water resources and coastal engineering.* Topics of interest include ecohydrology and ecological engineering, modeling and mitigation of climate impacts, and understanding the resilience of communities to disasters and anthropogenic factors.
- *Transport service systems.* Topics of interest include emerging technologies (e.g., autonomy, electrification), new and multi-modalities (e.g., urban air mobility), operations principles for hyper-connectivity (e.g., security, privacy, markets), and impact on community (e.g., equal access, pollution).
- *Climate and applications to other systems (e.g., energy, air, land, water, food).* Topics of interest include climate/energy nexus, climate modeling, urban warming, energy to mitigate climate impacts, air pollution, energy/land/water networks, and related areas.

Applications and nominations for tenure-track or tenured faculty positions at all levels are sought. The position is available starting August 15, 2023. To receive full consideration, candidates should apply online by November 30, 2022.

More information about the position can be found here: cee.usc.edu/about/open-positions

Open-Rank Tenured/Tenure-Track Faculty Positions in Civil and Environmental Engineering at Rowan University

The position announcement is posted at <https://jobs.rowan.edu/en-us/job/496905/openrank-tenuredtenuretrack-faculty-position-department-of-civil-environmental-engineering>