

Hi CEE Graduate Students,

Please see this week's announcements below:

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### **Job Opportunities**

*Two tenure track faculty positions and a Teaching specialist position at the University of Minnesota*

*Oklahoma State University Assistant Professor in Structural Engineering and Mechanics*

*Oklahoma State University Assistant Professor in Sustainability/Resiliency Engineering*

*Parsons Corporation - Civil Engineering Intern positions*

*Tenure track faculty position in transportation engineering at Villanova University*

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## Fellowships/Scholarships

2022 COMTO NorCal Future of Transportation Scholarship Application

The Northern California Chapter of the Conference of Minority Transportation Officials (COMTO NorCal) is a national, multi-ethnic professional organization founded in 1971 to advance the representation of minority professionals in the transportation industry, nurture their career growth through networking and training, and champion equitable transportation development.

Since 2003, the Northern California Chapter of COMTO has awarded well over \$275,000 in scholarships to almost 200 deserving students.

A cornerstone of COMTO's work is supporting the next generation of transportation professionals by providing financial support for students in need.

The Scholarship Committee is currently seeking applicants through November 1, 2022, for scholarship awards of \$1,000 – \$5,000 each.

This year's Scholarship Winners will be recognized at the 19th Annual Scholarship & Industry Awards Gala on Fri. Dec. 2nd, 2022 @ the Kissel Uptown Oakland Hotel.

#### Eligibility

- Undergraduate minority students who are California residents or are actively enrolled in an accredited Community College or University in Northern California
  - o Minorities include: African-American, Hispanic-American, Native-American, and Asian-American including Pacific Islander diasporas.
- Demonstrated intent to pursue a career in transportation, including (but not limited to):
  - o Transportation Planning
  - o Transportation Engineering
  - o Mobility as a Service
  - o Public Policy
  - o Environmental Science
  - o Aviation Science
  - o Department of Transportation (DOT)
  - o Federal Aviation Administration (FAA)

#### Requirements

- Applicants must have a minimum grade point average (GPA) of 2.5 or above.
- Community College students must be in a specific AA program or demonstrate intent to transfer to university.
- University students must be declared majors beginning their sophomore, junior, or senior year.

If you or someone you know is interested we encourage you to apply!

Application Deadline: November 1st, 2022

[www.comtonorcal.org/scholarshipawards](http://www.comtonorcal.org/scholarshipawards)

## Professional Development

### CGPSA Application

The Chancellor's Graduate and Professional Student Advisory (CGPSA) Board is accepting membership applications for the 2022-2023 cohort.

The Chancellor's Graduate and Professional Student Advisory Board (CGPSA) was established to facilitate direct communication between the Chancellor and graduate and professional students at the University of California, Davis. The board informs students about activities within the Offices of the Chancellor and provides comprehensive recommendations to the Chancellor on areas of graduate and professional student needs. The purpose of CGPSA is to advise the Office of the Chancellor and advocate on behalf of graduate and professional students.

Serving on the CGPSA is a great way for graduate students to get more involved in advocacy on campus, so I want to make sure as many students as possible hear about this opportunity.

Applications are due on October 7th at 11:59PM. Here is the application

link: [https://gradstudies.ucdavis.edu/sites/g/files/dgvnsk9301/files/media/documents/CGPSA\\_Application\\_22-23.pdf](https://gradstudies.ucdavis.edu/sites/g/files/dgvnsk9301/files/media/documents/CGPSA_Application_22-23.pdf)

Any questions regarding the board or application process can be directed to [gradassistant@ucdavis.edu](mailto:gradassistant@ucdavis.edu).

## Abstract submissions for the ASEE 130th Annual Conference

The ASEE Annual Conference and Exposition is the only conference dedicated to all disciplines of engineering and engineering technology education. The premier event of its kind, the ASEE Annual Conference and Exposition fosters an exchange of ideas; enhances teaching methods and curricula; explores how to manage engagement, retention, and return on learning experiences; and provides unparalleled networking opportunities for engineering and engineering technology education stakeholders, including deans, department chairs, faculty members, researchers, and industry and government professionals.

The conference features more than 400 technical sessions and thousands of authors and speakers, with peer-reviewed papers spanning all disciplines of engineering education; topical plenaries, including the main plenary; provocative panel discussions; award ceremonies and social events; Focus on Exhibit Events; and workshops on topics ranging from new tools and technologies to research-proven practical tips for improving teaching, learning, and equity.

Be part of this milestone event by showcasing your research at ASEE's 130th annual conference:

To submit your abstract, access the paper management page for Authors

## Mentoring Opportunity with oSTEM

Out in Science, Technology, Engineering, and Mathematics (oSTEM) at UC Davis is searching for graduate students in STEM to mentor LGBTQIA1 undergraduate students in STEM. As sexual and gender minority students are 7% and 10% less likely to remain in STEM by the end of their undergraduate careers, respectively, oSTEM's Graduate Student Committee is creating a campus-wide mentor-mentee program to provide social and academic support with the goal of improving retention of LGBTQIA undergraduates in STEM.

All STEM graduate students are invited to apply. The Graduate Mentor Interest Form can be accessed [HERE](#).

If you have any questions, please contact us at [ostem.gsc@gmail.com](mailto:ostem.gsc@gmail.com).

## Activity Leads + Volunteers Needed for Middle School STEM Outreach + NEW Elementary School 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 a few more volunteers to help design and lead activities in-person at Holy Rosary Catholic School and Winters Middle School this quarter. 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! They're also still looking for volunteers to help facilitate our activities!

Check out our STEM Squad Calendar for the dates and times of all 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.

In addition, they are planning a collaboration with UC Davis SACNAS' Graduate and Postdoc chapter for similar activities this year! Contact Forrest (frlli@ucdavis.edu) for more information.

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

## Introduction to Version Control with Git

Date: Thursday, October 13th, 10am - 12pm

Location: Zoom, [Register here](#)

This workshop covers the fundamentals of using version control for reproducible research. Topics covered will include installing the Git versioning control software locally, initiating a local Git repository, managing file versions, basic branching and merging, and time permitting intermediate topics including working with remote repositories and resolving conflicts. At the end of this workshop learners should be able to create new repositories and begin using Git for version control of their individual projects.

## LEED Training

Make your resume stand out with the premier sustainability designation called the LEED Green Associate! LEED is simply a sustainability scorecard for green buildings. As buildings can become LEED Certified, people can become LEED accredited! The best way to break into the sustainability space is to attain the LEED Green Associate. It also shows employers and clients you have certified knowledge in the field. Since the LEED GA exam doesn't have a stellar pass rate, the value of the extra letters behind

your name will carry even more weight.

Our engaging webinars have helped over 10K students and professionals learn the material cold AND clear the exam with a very high passing rate. The LEED Professional Designation has helped past participants attain internships and jobs and now is a great time to add this credential.

LEED Green Associate (GA) Training - Webinar and Online self-paced options:

Live webinars that can be streamed on any of the following dates:

1. October 29 2022 – 1:00PM – 5:30PM EST
  2. November 12 2022 – 1:00PM – 5:30PM EDT
  3. December 1 2022 – 5:00PM – 9:30PM EDT
  4. December 17 2022 – 1:00PM – 5:30PM EDT
  5. January 21 2023 – 1:00PM – 5:30PM EDT
  6. February 11 2023 – 1:00PM – 5:30PM EST - OR -
  7. On-demand recordings completed at your own pace
- A. LEED AP BD+C (Level 2) – On-Demand

The above options (1-7) are all identical.

Register for a live webinar or start today with our on-demand recorded workshop completed anytime at your own pace here - <https://leadinggreen.com/online>

This course is instructed by a USGBC Faculty member and is the most effective way to pass. The USGBC charges a \$100 (reduced for students) fee for the actual exam which can now be taken online from home. Save money by reserving your spot today and make a positive difference in your career!

Cost: \$200 - Students can use the coupon code 'green' for \$50 off (Discounted course price \$150)

Save your seat by registering here for our live or self-paced options - <https://leadinggreen.com/online>

Please contact the instructor Lorne directly with any questions at [info@leadinggreen.com](mailto:info@leadinggreen.com)

## Clubs and Resources

SISS webinar: Life After UC Davis: Immigration Options for Students and Postdocs

Description: Students and Postdocs who are planning to stay in the United States to work after leaving UC Davis can hear from legal experts from WR Immigration, about visa options for international students and scholars after they leave UC Davis. WR Immigration is the immigration law firm that has been approved by UC General Counsel's Office to work with SISS.

When: Thursday, October 20, from 3:30 to 5 PM

Where: Zoom – the webinar will be recorded and made available on the SISS website following the event

Required registration: Register at [https://ucdavis.zoom.us/webinar/register/WN\\_WdYSQvy7Teu2P7XIMkz7zA](https://ucdavis.zoom.us/webinar/register/WN_WdYSQvy7Teu2P7XIMkz7zA)

#### Presenters

- Charina P. Garcia is the Strategy and Innovation Partner at WR Immigration and manages the firm's Northern California offices. She represents and advises many Fortune 500 and start-up companies, as well as individuals on both employment and family-based immigration matters. She presents at many industry conferences on the intersection between law and technology focusing on the firm's technology - WRapid™, a centralized, cloud-based technology and Enterprise Resource Planning solutions software powered by Salesforce. Charina was appointed to the American Bar Association's Commission on Immigration and is a member of the American Immigration Lawyers Association (AILA). Charina earned a JD from the University of Washington in Seattle, Washington. She completed her undergraduate degree at the University of California, Berkeley majoring in Economics and a minor in Asian-American Studies. More information about Charina can be found here: <https://wolfsdorf.com/team/charina-garcia/>
- Melissa Harms is a partner at WR Immigration's San Francisco office and has been practicing immigration law for more than two decades. She has served as a strategic legal partner for Fortune 500 companies, large public universities, private research entities, as well as start-up ventures, providing counsel for her clients on all facets of immigration law. A visiting scholar at UC Davis King Hall Law School, she has been an adjunct professor at the University of California and California State, presented at UC Davis Wine Law symposia, and has been interviewed by the BBC as an expert on immigration issues. More information about Melissa can be found here: <https://wolfsdorf.com/team/melissa-harms/>

## Providing Effective Feedback on Student Writing

Date: Thursday, October 13th, 12pm - 1:30pm

Location: West Conference Room (Walker Hall) and Zoom

Register here with one click

Written feedback on writing assignments can be an invaluable part of the learning process for students, but it can also be extremely labor-intensive for instructors. This workshop will discuss theories and strategies to provide effective feedback and the benefits of using assignment-specific rubrics (including rubrics on Canvas). Attendees will learn about common strategies to provide effective written feedback and prioritize important features of writing necessary for their particular classes, including for multilingual students.

Instructor: Kendon Kurzer has a Ph.D. in education and a master's degree in Teaching English to Speakers of Other Languages. He is currently the Associate Director of Undergraduate Writing Across the Curriculum. Questions? Contact [mjmacarthur@ucdavis.edu](mailto:mjmacarthur@ucdavis.edu).

Fall Internship and Career Fair

Employers are looking to hire UC Davis Aggies! Graduate students have two opportunities to meet with employers on Wednesday, October 12:

- 1) Join the Fall Internship and Career Fair on Wednesday, October 12 from 10am – 2pm at the University Credit Union Center. Registration on Handshake is recommended but not required.
- 2) Stay to attend the Graduate Student and Postdoctoral Scholar Internship and Career Fair on Wednesday, October 12 from 2:30PM – 5pm on the second level of the University Credit Union Center. Registration on Handshake is recommended but not required.

Is this your first in-person career fair? The Internship and Career Center is here to get you ready! Attend one of our upcoming Prepare for the Fair workshops.

## DOE 2023 Summer Internships Fair

Registration is now open to join the DOE 2023 Summer Internships Fair, October 25, 2022, 1:00 – 6:00 PM ET – sponsored by the U.S. Department of Energy (DOE), Office of Science (SC), Office Workforce Development for Teachers and Scientists (WDTS). The event is virtual and free to attend. You can register and join the internship fair event any time before and during the live session.

We invite students and faculty in your institution and community to join this highly interactive event to learn more about the U.S. Department of Energy Community College Internships (CCI), Science Undergraduate Laboratory Internships (SULI), and Visiting Faculty (VFP) programs. These mentored, well-paid, 10-week programs provide technical training and research opportunities at DOE National Laboratories.

Participating DOE National Laboratories include:

- Ames Laboratory
- Argonne National Laboratory
- Brookhaven National Laboratory
- Fermi National Accelerator Laboratory
- Idaho National Laboratory
- Lawrence Berkeley National Laboratory
- Lawrence Livermore National Laboratory
- National Energy Technology Laboratory
- National Renewable Energy Laboratory
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory
- Princeton Plasma Physics Laboratory
- Savannah River National Laboratory
- SLAC National Accelerator Laboratory
- Thomas Jefferson National Accelerator Facility

Additional information for the WDTS programs can be found at <https://science.osti.gov/WDTS>. If you have any questions about the event, please contact [sc.wdts@science.doe.gov](mailto:sc.wdts@science.doe.gov).

# Job Opportunities

Two tenure track faculty positions and a Teaching specialist position at the University of Minnesota

## Tenure-track Faculty Position in Structural Engineering

The Department of Civil, Environmental, and Geo- Engineering at the University of Minnesota seeks applications for a tenure-track faculty position in structural engineering. We are interested in applicants with strong core fundamentals in science and engineering that allow them to move easily across disciplinary boundaries and work collaboratively to solve complex problems of local and global interests. The appointment is expected to be at the rank of assistant professor, although exceptional candidates at all ranks will be considered.

We are seeking individuals with a documented interest in advancing the frontiers of structural engineering. Candidates with an emphasis in experimental methods and structural mechanics, focused on advancing understanding of structural behavior are encouraged to apply. Experience and interest in large-scale structural testing is preferred. Successful candidates will be expected to maintain a strong externally-funded research program. Teaching responsibilities include existing undergraduate and graduate courses in structural engineering, as well as development of new courses in the candidate's specialty areas. An earned doctorate is required at the time of the appointment.

Applications must be submitted online at <https://apply.interfolio.com/114334>- Faculty Position in Structural Engineering

## Tenure-track Faculty Position in Transportation Engineering

The Department of Civil, Environmental, and Geo- Engineering at the University of Minnesota seeks applications for a tenure-track faculty position in transportation engineering. We are interested in applicants with strong core fundamentals in science and engineering that allow them to move easily across disciplinary boundaries and work collaboratively to solve complex problems of local and global interests. The appointment is expected to be at the rank of assistant or associate professor, although exceptional candidates at all ranks will be considered.

We are seeking individuals with strong academic background and research potential in one or more of the following areas: transportation systems analysis including traffic systems operations, transportation data analytics, transportation monitoring and assessment, and impacts of vehicle automation. Other areas of transportation engineering also will be considered. Candidates will be expected to initiate and maintain a strong externally funded research program. Teaching responsibilities will include existing undergraduate and graduate courses, as well as the opportunity to develop new courses in specialty areas. An earned doctorate is required at the time of the appointment.

Applications must be submitted online at <http://apply.interfolio.com/114345> - Faculty Position in Transportation Engineering

## Teaching Specialist Position in Structural Engineering

The Department of Civil, Environmental, and Geo- Engineering in the College of Science and Engineering at the University of Minnesota-Twin Cities seeks candidates for a teaching specialist. The person in this position will teach undergraduate and mixed undergraduate-graduate courses in the areas of structural



mechanics and design. The teaching faculty member is expected to prepare and deliver lectures, prepare homework assignments, quizzes, and exams, hold office hours, assess student work, supervise teaching assistants, and manage the administration of the courses they are assigned to teach. They will also be involved in the continuing improvement of courses and the development of new curriculum. This position is a nine-month academic appointment that receives full benefits. A 12-month appointment is possible if teaching is performed in the summer as well. The initial contract will be one year, with the option of renewal. If the applicant has a PhD, they may be considered for a non-tenure track teaching assistant professor. Position responsibilities and expectations include teaching 4-5 courses per academic year and advising student chapter activities (e.g., ASCE steel bridge team, ASCE concrete canoe team).

Applications must be submitted online at: <https://hr.myu.umn.edu/jobs/ext/351784> - Teaching Specialist Position in Structural Engineering

## Oklahoma State University Assistant Professor in Structural Engineering and Mechanics

The School of Civil and Environmental Engineering (CIVE) at Oklahoma State University (OSU) is pleased to invite applications for one tenure-track faculty position in Structural Engineering and Mechanics. The position is expected to be filled at the Assistant Professor rank; however, higher ranks may be considered with appropriate qualifications. Successful candidates must demonstrate potential for developing a strong externally funded research program. Candidates with research interests in all areas of structural engineering and mechanics will be considered. The School is especially interested in candidates that can collaborate strategically with current expertise within the department to address research areas including, but not limited to, resilient infrastructure systems, engineering for natural and man-made hazards, sustainable and interconnected systems, bio-inspired materials and structures, and smart and revolutionary materials. Candidates will have the opportunity to utilize the Bert Cooper Engineering Research Laboratory, a 33,000 ft<sup>2</sup> state-of-the-art structural engineering and materials engineering research laboratory with 6,000 ft<sup>2</sup> strong floor high bay testing area ([ceat.okstate.edu/cive/research/bert-cooper/index.html](http://ceat.okstate.edu/cive/research/bert-cooper/index.html)). Candidates will also have access to the High-Performance Computing Center (<https://hpcc.okstate.edu>).

The successful candidate must have an academic background to teach undergraduate courses in structural engineering and engineering mechanics in the Civil Engineering curriculum, as well as offer new and/or existing graduate courses in their area of expertise. A Ph.D. and undergraduate degree in, or closely related to, Civil and Environmental Engineering is required. It is expected that candidates can become licensed as a Professional Engineer within 6 years of appointment.

Oklahoma State University is located in Stillwater, Oklahoma, approximately 60 miles from both Oklahoma City and Tulsa. The School currently has 17 faculty members, 280 undergraduate students, and 50 graduate students.

For additional information, please contact the search committee chair, Dr. Mohamed Soliman, at [cive\\_structures@okstate.edu](mailto:cive_structures@okstate.edu)

<https://okstate.csod.com/ats/careersite/JobDetails.aspx?site=8&id=12527>

## Oklahoma State University Assistant Professor in Sustainability/Resiliency Engineering

The School of Civil and Environmental Engineering (CIVE) at Oklahoma State University is pleased to invite applications for one (1) tenure-track faculty position in sustainability/resiliency engineering. Candidates must demonstrate potential for developing a strong externally funded research program with a focus in one or more of the following areas: adaptive and resilient infrastructure, environmental sustainability, resource recovery and/or reuse (the circular economy), climate and/or disaster resiliency, sustainable development, and humanitarian engineering.

**Required Qualifications:**

Ph.D. and undergraduate degree in, or closely related to, Civil Engineering is required. Candidates will be considered from any/all subdisciplines of Civil and Environmental Engineering. It is expected that candidates can become licensed as a Professional Engineer within 6 years of appointment.

**Preferred Qualifications:**

Preferred candidates will be able to successfully teach at the undergraduate level in one or more of the following areas: water resources engineering, geotechnical engineering, or construction engineering. Candidates will teach graduate courses in the areas of their technical expertise. The School is especially interested in candidates that can collaborate strategically with current expertise within the department, college, and state.

<https://okstate.csod.com/ats/careersite/JobDetails.aspx?site=8&id=12543>

## Parsons Corporation - Civil Engineering Intern positions

See attachment for more information.

## Tenure track faculty position in transportation engineering at Villanova University

Villanova University is searching for a tenure track faculty member with expertise in transportation engineering. For more information about the position please see the attached document.