

Hi CEE Graduate Students,

Please see this week's announcements below:

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*Position available: Structural steel engineer*

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## Fellowships and Scholarships

### Steven B Tipping Memorial Scholarship

The Steven B. Tipping Memorial Scholarship for Innovation and Excellence in Structural Engineering is a \$3,500 cash grant. It is awarded annually to an outstanding structural engineering student of a Historically Underrepresented Group in Structural Engineering. This includes but is not limited to first-generation college students, women, Black/African American, Native/Indigenous American, Hispanic/Latino, Pacific Islander, or Asian, and other people of color.

Deadline for submission

Applications are now open and due by March 20, 2023.

The link to the scholarship application is here:

<http://www.ncsea.com/about/foundation/diversityscholarship/>

Eligibility

Candidates must be a current student in a California-based junior college, university or college, with a focused career interest in structural engineering. Candidates need to be registered in the fall term of the year of the award (Fall 2023).

Submission requirements.

Candidates will be required to submit a response to ONE of the following prompts:

In 800 words or less, explain what structural resilience is, and why it is important for practicing structural engineers to design for resilience. In your response, describe three techniques or methods that can be effectively employed to improve seismic resilience of buildings in California. We encourage the use of illustrations or animations as necessary to communicate key ideas and concepts.

Interview two or three practicing structural engineers with at least 10 years of experience. In a 3-5 minute video or podcast format, directed toward structural engineering students or professionals at the start of their careers, identify which key skills are critical to ensure a successful career in structural engineering, and why they are important.

Design a poster (in pdf format, measuring 30 inches x 42 inches) or develop a website to describe one of the following: (a) a recent innovation in structural engineering, (b) an advanced design, analysis, or construction method; or (c) proposed (future) research and/or testing in structural engineering. The research topic should be one that has potential to significantly impact the architecture / engineering / construction industry or to advance the structural engineering profession

Eligibility

Candidates must be a current student in a California-based junior college, university or college, with a focused career interest in structural engineering. Candidates need to be registered in the fall term of the year of the award (Fall 2023).

Steven Tipping's Legacy

For more than 35 years, Steve Tipping advanced the science and art of structural engineering, pioneering creative yet pragmatic design solutions for a broad range of projects. His inventions and accomplishments in seismic retrofit design have been especially crucial to the earthquake-prone Bay Area, while his emphasis on constructability culminated in an unparalleled expertise in cost- and resource-efficient solutions. Steve was an avid athlete, a loving husband, and a dedicated father of four. He enjoyed spending time outdoors, the visual and performing arts, and watching movies. In 2017, he unexpectedly was called to Heaven while doing what he loved most on weekends, riding his bike on the trails in El Cerrito.

To read more about Steve's legacy, please visit the Hensolt SEAONC Legacy Project page.

## Professional Development

Leda Kobziar Seminar – Pyroaerobiology

Dr. Leda Kobziar will present “Living Microbes in Wildfire Smoke: How, What, Where, and Why Does it Matter?” 4-5:30 p.m. March 1 in the Student Community Center multipurpose room at 397 Hutchison Drive in Davis.

The event is free and open to all, and people can register here.

Anyone interested in meeting with Dr. Kobziar while she's on campus can also email [jballou@ucdavis.edu](mailto:jballou@ucdavis.edu).

## Call for Applications: 2022-23 Spring Graduate Studies Travel Awards

Graduate students who have traveled, or will be traveling, to present at meetings of nationally and internationally recognized professional societies between January 1, 2023 through December 31, 2023 may now apply for the Graduate Studies Spring Travel Award. The award is for students who are near the completion of their degree who have not previously received the award. Students must be in good academic standing, registered in full-time status, and have a minimum GPA of 3.0. The application deadline for students is March 17, 2023. The application has moved online and should be submitted by students through InfoReady, an application platform hosted by UC Davis. Awards will be announced the week of May 15, 2023. Students can reference the InfoReady Applicant Guide for detailed instructions on using the application system.

Programs will rank all of their candidates in InfoReady. The top two candidates will continue forward for review by Graduate Studies.

Please see the attached announcement and visit the Graduate Studies website for details concerning the award and application process.

Should you have any questions, please do not hesitate to contact [hewest@ucdavis.edu](mailto:hewest@ucdavis.edu).

## International Summer Research Experience in Rwanda 2023

Professor Mekonnen Gebremichael and his team are recruiting undergraduate and graduate students to join them this coming summer for research in Africa. Please see attached for more details.

## Spring Course: LDA 215

LDA 215—WHAT IS INFRASTRUCTURE?: CRITICAL INFRASTRUCTURE STUDIES (3)  
Seminar—3 hour(s). Open to graduate standing or consent of instructor. Introduction to interdisciplinary scholarship and design on expanding conceptions of infrastructure, that include social, technical, ecological, political and aesthetic dimensions of the medium. Focus on application of theory to case studies and thinking through landscape as infrastructure. (Same course as GEO 215.)

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### Course Information

Status: Historical

Subject: LDA/GEO 215

Title: What is Infrastructure: Critical Infrastructure Studies

Units: 3.0

School: College of Agriculture and Environmental Sciences AE  
Department: Human Ecology HDE  
Effective Term: 2020 Fall Quarter

Learning Activities  
Seminar - 3.0 hours

#### Description

Introduction to interdisciplinary scholarship and design on expanding conceptions of infrastructure, that include social, technical, ecological, political and aesthetic dimensions of the medium. Focus on application of theory to case studies and thinking through landscape as infrastructure.

#### Enrollment Restrictions

Open to graduate standing or consent of instructor.

#### Expanded Course Description

This course will investigate theory and design practices associated with new and expanding notions of infrastructure that integrate social, technical, ecological, political and aesthetic dimensions of the medium. This work questions what infrastructure was, is and can be. Central to these investigations are concerns about social and ecological justice, and adaption to a world radically altered by past infrastructural effects, including climate change. Particular focus will be placed on thinking through landscape as infrastructure. Through readings, discussion sessions, presentations, guest lectures and field trips, participants will have the opportunity to test and apply these concepts on specific landscapes of their own choosing, as well as those provided by the instructor. Students from a variety of disciplines are encouraged to participate, as the course is structured to allow students to customize their research focus and methods of geographic analysis, while being exposed to practices and approaches of other disciplines.

#### LEED Training

Start off the year by making 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:

I will be offering live webinars that can be streamed on any of the following dates:

1. February 28 2023 – 5:00PM – 9:30PM EST
2. March 25 2023 – 1:00PM – 5:30PM EDT
3. April 15 2023 – 1:00PM – 5:30PM EDT

- 4. May 6 2023 – 1:00PM – 5:30PM EDT
- 5. June 3 2023 – 1:00PM – 5:30PM EDT - OR -
- 6. 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)

First Gen and Grad Students of Color Gathering 2/22 2-4 pm

Reservations not required.



## Job Opportunities

### Teaching Opportunities in AY23-24

The CEE Department has an opportunity for senior graduate students or postdocs to teach either ENG 35 or ECI 132 in the Winter quarter of AY23-24 (Winter Quarter 2024). It is preferred that you have some prior experience as a TA. If you have interest, please talk first with your advisor to discuss the opportunity as it is important that they serve as a mentor to you. If you both agree, send an email to [cdcappa@ucdavis.edu](mailto:cdcappa@ucdavis.edu) that includes a copy of your CV (including relevant experience) and where your advisor is cc'd. Grad students would be hired as Associate Instructors (AI) while postdocs would be hired as Lecturers. (For postdocs, please note that policy does not allow us to hire at >100%, so the appointment as a Lecturer would come with a commensurate temporary reduction in your postdoc appointment to keep your total appointment at 100%.)

TA opportunity in Religious Studies for Spring quarter

The department of Religious Studies is seeking a TA for Religious Studies 1B-Death & Afterlife  
The TA will lead discussion sections, attend lectures do the readings, and grade the assignments, hold two office hours a week, and attend regular meetings with instructor to go over progress in the course.

Must attend Lecture: TR10:30 AM - 11:50 AM  
Must be available to lead 2 discussion sections

Discussion sections:  
Wednesdays 5:10 PM - 6:00 PM and 6:10-7:00 PM  
or Thursdays 6:10-7:00 and 7:10- 8:00

Past course work and/or dissertation topic and or experience grading and/or TAing in Religious Studies is preferred.

Please email Prof. Seth Sanders with your resume, at [ssanders@ucdavis.edu](mailto:ssanders@ucdavis.edu)

### Bureau of Reclamation - San Joaquin River Restoration Program (Civil Engineers/Hydrologists)

The San Joaquin River Restoration Program (SJRRP) is recruiting for two full-time civil engineer (hydrologic) or hydrologist positions in Sacramento. Recent graduates or other students graduating soon would be ideal candidates. Accepting applications through March 2, 2023:  
<https://www.usajobs.gov/job/707490300>

Join the staff of the Bureau of Reclamation in Sacramento as a Civil Engineer (Hydrologic) or Hydrologist and participate in the restoration of the San Joaquin River.

Current high-priority SJRRP actions include groundwater seepage management projects; channel capacity and subsidence evaluation; hydrologic forecasting and release scheduling; the construction of a bypass around Mendota Pool on the San Joaquin River to allow fish passage; as well as placement of a fish ladder at Sack Dam and a fish screen at the Arroyo Canal.

### NOAA Fisheries - Student Intern (Engineering)

NOAA Fisheries is recruiting for an Engineering intern to be based in the NMFS West Coast Region Engineering and Physical Sciences branch. The intern would focus on fish passage projects across Washington, Oregon, Idaho, and California. This work occurs at the intersection of the built environment and aquatic systems, ensuring that fish are able to migrate past road crossings, dams, and other obstructions to reach habitat where they can spawn. One of the summer projects would be building a database of nature like fishways on the west coast. The internship could be located in any of the NMFS West Coast Region offices, including Sacramento, CA. Interested students can find more information about this opportunity and apply for the internship through the USAJobs website:  
<https://www.usajobs.gov/job/707286100>.

Additional background on the NOAA Fisheries West Coast Region is available at:  
<https://www.fisheries.noaa.gov/about/west-coast-region>. Applications will be accepted through  
February 27, 2023.

Position available: Structural steel engineer

See attachments.