Civil Engineering Undergraduate Announcements – November 23, 2020

Happy Week 8! And Happy Thanksgiving! I hope everyone has a safe and relaxing break.

1. Transit Planning Event with WTS and ITE (TODAY)

WTS has a transit planning workshop with the Institute of Transportation Engineers (ITE) UC Davis Student Chapter coming up this Monday, November 23, 7-8 pm PST! They'll be hearing from Marcus Chan, a planning intern with Davis transit service Unitrans, as well as applying some of their new-found knowledge with the simple roadway planning tool Streetmix! The Zoom link is here, Meeting ID: 912 3262 4554. Can't wait to see you all there!

2. Campus Resources

   a. Tau Beta Pi Tutoring

      Tau Beta Pi (the national engineering honors society) is still running in this virtual setting! They are having weekly tutoring sessions hosted by some of the top engineering students here at UC Davis. You are invited to attend these free drop-in tutoring sessions held weekly by our members. Tutoring sessions for Fall 2020 will alternate between Tuesdays (5-7pm) and Wednesdays (5-7pm) each week skipping the Tuesday of Thanksgiving week (24th)! See the schedule for clarification!

      Tutors can primarily tutor in lower division engineering (ENG 6, 17, 35, 45), PHY 9 series, CHE 2 series, CHE 8 and MAT 21 and 22 series. If you need help in a course not listed above, please send an email to our Tutoring Chair, Christina Davis, at ucdtbp.tutoring@gmail.com including your name, course you are requesting, and specific topic in that course. Typically, they can successfully find tutors for upper division engineering courses, major specific courses, and GE courses that many engineers take, such as ENG 100, BIM 20, EEC 100 or UW 204T. Stop by for any engineering class and just ask if anyone is able to help!

   b. Accessing Medical Care

      Please see attachment for a new resource that helps students access medical care—which includes some information around insurance navigation and confidentiality. This has also been combined with the Each Aggie Matters flowchart around finding mental health support, and lives on the HEP Resources Shared Drive.

3. Course Offerings

   a. First Year Seminars

      In support of continuing first-year frosh and transfers students, First-Year Seminars (FYS) will offer approximately 100 courses ranging from First-Generation Research Experiences, Global Learning, to Classic themes. New seminars are being added daily!

      First-Year Seminars provide academic balance by offering one- and two-unit, letter or pass/no pass graded classes that encourage full-time status, while exploring fascinating topics with peers and in small interactive learning environments—limited to 16—that build community. First-Year Seminars help to provide students with the momentum to succeed academically and socially.

      To view our current seminars, visit us at https://fys.ucdavis.edu/schedule.

   b. FRS 003 – Scientific Journalism

      Interested in writing about the COVID-19 pandemic? Want to get published in a scientific journal? Eager to learn more about how The Aggie Transcript and other journals operate?

      The Aggie Transcript will be hosting a first-year seminar this winter quarter, taught by their faculty advisor, Dr. Sean Burgess, and members of our editorial board. This is a fantastic opportunity to learn more about science communication, writing, editing, design, and publishing.

      Course Number: FRS 003 017
      CRN: 25735
      Day/Time: M T Th 10-11:00 am
      Units: 1 (NP)

      Course Description: This seminar serves as an introduction to the world of scientific journalism—with an emphasis on the biology of the SARS-CoV-2 virus and the COVID-19 pandemic. Students will be guided through the entire process of being published, from writing an article to navigating the editing process. Students will also learn how science publications operate via
Register now!

If you have additional questions regarding the new Student Nomination Program or more general questions about the Washington Program, please do not hesitate to reply to this email and I will be happy to help you.

Washington Program

The nomination program is designed to more easily connect students to the Washington Program when they can experience significant professional growth and more easily prepare for their future careers. After a nomination is received, we will send the nominated students detailed information about the program, instructions on how to apply, an invitation to our information sessions, and a one-on-one advising session. Although a nomination does not guarantee acceptance into the Washington Program, it gives students the encouragement and confidence to apply. In addition, as a part of the nomination program, nominated students will be given priority application consideration as well as the ability to bypass the typical requirement to obtain a formal letter of recommendation for the purposes of their program application.

Student Nomination Google Form

To nominate a student for the Washington Program, please complete the online Nomination Form or visit the Nomination Program website for more information.

Remote Program/Potential In-person Program

As I mentioned above, the Spring 2021 Washington Program will be a remote program, however, the status of the Summer 2021 program is undecided with a possibility of an in-person program still outstanding. We believe that regardless of individual student situations, there is inherent value in pursuing an internship during this time of relative uncertainty and by taking full advantage of all resources offered to them. Please see the Program Benefits & Eligibility page on our website for additional details regarding what students can expect from the remote version of the Washington Program. For details regarding student eligibility for the program, see the Program Requirements & Eligibility page on our website.

Application Deadlines

We have no specific deadline to nominate a student for the Washington Program, nominated students will still need to submit their applications prior to set deadlines. Application deadlines can be found at the following link: Application Deadlines.

If you have additional questions regarding the new Student Nomination Program or more general questions about the Washington Program, please do not hesitate to reply to this email and I will be happy to help you.

BIG Journal Club

The BioInnovation Group Journal Club is back again with an open to anyone and everyone meeting and a topic of...DINOSAURS!

Their paper will be “Assessing dinosaur growth patterns: a microscopic revolution,” by Dr. Erickson. So if you would like the link for the Zoom meeting, please fill out our SURVEY TO RSVP.

This paper is more of a straightforward read, but if you’re in a hurry they recommend at least looking at the Introduction and the figures. And if you find anything confusing, come out next Monday with questions and we can discuss.

So, grab a housemate or a pet and join us to learn about some cool science.

Graduate Study at Oregon State University

The School of Chemical, Biological, and Environmental Engineering (CBEE) at Oregon State University is excited to announce two upcoming opportunities to join them online to hear more about their programs and answer any questions you may have! These sessions will give you a chance to learn about their School, research areas, funding opportunities, graduate life at Oregon State University and in Corvallis, OR, and insight into our application process.

They have two sessions for you to choose from:
- Thursday, November 19, 3pm-4:30pm (PST)
- Friday, December 4, 9am-10:30am (PST)

Register now!

CBEE has a vibrant research and educational community with over 100 graduate students and offers M.Eng., M.S., and Ph.D. programs in chemical engineering, bioengineering, and environmental engineering. Explore their area of research and future student resources and bring them your questions.

Oregon State University is located in Corvallis, which has been ranked the 2nd Friendliest College Town in America and the 4th Most Innovative U.S. City among other accolades. Additional information about life in Corvallis is located here.

Social Change Career Panel

Thursday, November 19, 2020 6:00 - 7:30 pm PST

Register on Handshake for Zoom meeting link.

2020 has caused us to re-examine nearly every aspect of our individual lives and the systems we live in. The Social Change Careers Panel Thursday, November 19 from 6:00 – 7:30 pm will reframe traditional career questions from: “What’s your major?” and “What’s your career goal?” to: “What problem(s) do you want to solve?” and “What impact would you like to make?” Come hear from people making an impact in their careers. Learn about the changes they are driving in this Zoom session, which will have a conversational tone. Join for insights into how to launch a career that aligns with your values and priorities. Bring your questions to this warm, approachable group. Most are UC Davis grads and can relate to being a student exploring life after UC Davis.

The event will be moderated by Charlene Green, Admissions Director, UC Davis School of Medicine. The panelists and careers they represent are:
- Environmental justice, Social Equity Policy, Water Program Director, Local Government Commission
- Health policy and advocacy, HealthEquityMark, Director of State Policy, Public Health Advocates, also My Brother’s Keeper
- Educational justice, DiverseU, Chief Diversity Officer
- Access and representation in technology, Jennifer “Jen” Pro, Startup Advisor, Head of People and Diversity & Inclusion Strategist, Mission Driven, LLC

Sponsored by the UC Davis Internship and Career Center (ICC)

Association of State Dam Safety Officials (ASDSO) Student Opportunities

Association of State Dam Safety Officials

Dam Model Competition
ASDSO is accepting applications for the ASDSO Dam Model Competition. The Dam Model Competition calls for college student design teams to submit their plans to construct a dam model (tabletop size) and how best to use the model within their community to further dam safety education. University student groups, student branches of professional organizations, or other students interested in dam safety are encouraged to apply. The winning team will receive up to $500 to build the model, a $500 team stipend, and travel for select team members to attend an ASDSO conference. Applications are due December 4, 2020.

Learn More!

Undergraduate Scholarship Applications

The application for the 2021/2022 ASDSO Undergraduate Student Scholarship is now available. Scholarships have ranged from $5,000 to $10,000 in recent years. Successful recipients must be U.S. citizens and enrolled full-time at the senior level (during the 2021/2022 school year) in an accredited civil engineering program, or in a related field as determined by ASDSO. Students must also demonstrate an interest in pursuing a career in hydraulics, hydrology or geotechnical disciplines, or in another discipline related to the design, construction and operation of dams. Applications are due March 31, 2021.

Learn More!

Student Membership

ASDSO student membership is now FREE! Becoming a student member of ASDSO is a great way to learn about the profession, network with other students, young professionals, and industry experts, and broaden your technical knowledge. All ASDSO student memberships come with the same benefits of traditional membership with no cost to you.

Join ASDSO

Dem Safety 2020 On-Demand Student Registration

The Dem Safety 2020 On-Demand platform contains both general sessions, 37 concurrent sessions, access to the exhibit hall and poster-lightning talks, and the ability to access all conference PowerPoints, papers, and other downloadable resources. Students can access the on-demand platform until December 31st for only $25.

Visit Dam Safety 2020 On-Demand!

UCSA and ACQUIRE Survey Campaign

ASUCD’s External Affairs Office with the ACQUIRE campaign have an important survey that UCSA has created to assess the impact of COVID-19 on student needs and experiences.

https://docs.google.com/forms/d/1PT90ZJzkvhJWL3TPS9IyWpQ6Qspce_RIvJ-4WjdErnE/edit

The statewide UCSA ACQUIRE campaign asks you all to fill out and share their survey to help them understand the best way to advocate for YOUR needs during the pandemic! There’s even a chance to win gift cards! They will be taking responses through December 20th. Contact: Acquire@ucsa.org

Job/Internship Opportunities from the ICC

US Department of Energy

The Office of Science / US Department of Energy is pleased to announce paid research internship opportunities for undergraduate students majoring in areas of Science, Technology, Engineering, and Mathematics (STEM) for the Summer of 2021. The application system for the 2021 Summer Term Science Undergraduate Laboratory Internships (SULI) program is currently open, with all applications due by 05:00 PM Eastern Time on January 12, 2021.

The Science Undergraduate Laboratory Internships (SULI) program places students from 2 and 4 year undergraduate institutions as paid interns in science and engineering research activities at DOE national laboratories and facilities, working with laboratory staff scientists and engineers on projects related to ongoing research programs. Appointments are for 10 weeks during the Summer term, are open to US Citizens and US Lawful Permanent Residents, include a weekly stipend, reimbursement for one round trip domestic travel to the participant’s host DOE laboratory, and possibilities for a housing allowance. More than 850 internships are sponsored annually. Application is made online. Full program information and descriptions, including links to the online application system, are available at: https://science.osti.gov/wdts/suli/

Other Opportunities

AS911021 Civil & Structural Engineering Drafting/Design, Upright Engineering Inc
#2913228 Public Works Engineering Civil/Structural/Geotechnical, CAD, or Construction Management, MGE Engineering, Inc.
Macey Miyahara  
Civil Engineering Undergraduate Peer Advisor  
civiladvising@ucdavis.edu