

Hello Civil and Environmental Engineering Graduate Students,

Happy Friday! Please see the announcements for this week below:

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Get Involved on Campus

[Each One, Teach One, TA Support Group: Applications Due October 22nd](#)

Applications are opening for the [2021-2022 Each One, Teach One: TA Support Group](#), for the fourth consecutive year. This support group is both professional development, and a critical process for examining and bettering our craft as educators in a safe and supportive environment. They meet once a month, so 8 times total during the academic year. ***It is a cohort***, where folks commit to meeting one Friday a month from 5:00-7:00pm (**Program Dates: October 29th, November 19th, December 3rd, January 21st, February 11th, March 4th, April 8th, and May 13th**). It is open to beginning and experienced TAs, and other graduate student researchers and instructors (you do not need to be currently TAing). Deadline to apply is **Friday, October 22nd at midnight**. Because of the large number of applicants, and the limited size of the group, they'll reply to everyone the week following the application deadline.

About The Facilitators:

They are a collective of current graduate students with combined decades of teaching and youth development experience, committed to decolonial and revolutionary pedagogies, and graduate student health.

The first session will be held in-person, on campus, the rest TBD, depending on safety. To **apply, and for more detailed information** about the "*Each One, Teach One: TA Support Group*" see: <http://tinyurl.com/tasupportgroup>

Seeking engineering graduate student participants for NSF CAREER study: Please forward to MS/PhD engineering students in your program

Dr. Catherine Berdanier is an Assistant Professor in Mechanical Engineering at Penn State. She has been awarded an NSF CAREER grant to study the experiences **of current engineering graduate students over time in an effort to understand graduate student attrition and persistence in engineering**. They are collecting longitudinal data using text-message survey methods, following participants over time.

This research is conducted via very short surveys conducted via text message on your cell phone. If you agree, and they select you for this study based on your screening criteria, you will receive very short surveys on Mondays, Wednesdays, and Fridays. Monday and Wednesday surveys will take approximately 30 seconds. Weekly, monthly, and end-of-term (December, May, August) surveys on Fridays will take 1 to 3 minutes.

If you are interested in participating in this study, please complete the online survey link below. The second page of the survey is the informed consent section, which includes more information regarding the study, including measures taken to protect confidentiality, and you will be able to download the full informed consent document.

[\[Link to Participant Interest Survey\]](#)

Consecutive participation will be rewarded with a \$10 Amazon.com gift card each month of participation (*missing fewer than 2 Monday/Wednesday surveys or 1 Friday survey each month*). In addition, participants who complete each of the monthly surveys and semesterly surveys each term (December, May, August) will be entered in a drawing for **one of three \$50 Amazon.com gift cards** at the end of each term.

Although you have the option to be removed from their study at any time, ideally participants would remain in the study for a year, at which point we will reach out to see if you would be interested in continuing your participation. Longitudinal data is extremely valuable to our research, so participants continuing in a second year will be entered into an additional drawing for an additional \$50 Amazon.com gift card.

If you have any questions about the study or how the data will be used, feel free to contact Dr. Berdanier at their lab group email (ecrl@me.psu.edu) or her university email address (cgb9@psu.edu) and they will answer any questions you have. This study has been approved by the Penn State IRB.

Professional Development

Exponent employer information session for UC Davis, Thursday 10/21

Interested in learning more about a career in engineering and scientific consulting? Would you like to learn how to apply your expertise to solving challenging and compelling real world problems? Please join Exponent in a discussion to answer these questions and more.

[Career Opportunities with Exponent](#)

Date and Time: Thursday, October 21, 2021 at 4:00PM - 5:00PM (PT)

Register for the event [HERE](#).

Location: Join via [Microsoft Teams](#)

Exponent works on many of the most challenging and prominent engineering and scientific problems in the world. If you are a M.S. student, Ph.D. candidate, postdoctoral researcher, or faculty with strong communication skills, are motivated to learn on the job, and have a desire to apply your education and experience in unexpected and innovative ways then Exponent will be an exciting opportunity for you. We invite you to learn more about how you can make a difference through engineering and scientific consulting at Exponent.

Job Opportunities

[Ecosystem Scientist Position Available at HydroFocus, Inc., Davis, CA](#)

HydroFocus, Inc. seeks to hire an Ecosystem Scientist. They are looking for someone with a graduate degree in biology, ecology, biometeorology, earth sciences, or related field. The ideal candidate will have experience with analysis of remote sensing data, measuring greenhouse gas emissions and exchange using micro-meteorological methods and chambers, analysis of soil and water biogeochemical processes and modeling of ecosystem processes affecting greenhouse gas fluxes.

Established in 1998, and located in Davis, CA, HydroFocus' work has been primarily in hydrology and biogeochemistry. They are also actively engaged in wetland restoration, development of greenhouse gas emissions reduction strategies and the carbon market. Our clients and partners include local, state and federal agencies, landowners, public utilities, the American Carbon Registry, non-profit corporations and University of California researchers. They offer a challenging, interdisciplinary & balanced work environment for developing long-lasting environmental solutions and opportunities for professional growth.

If interested, please email sdeverel@hydrofocus.com

[Tenure track faculty position in the area of Structural Engineering at SIU Carbondale](#)

The School of Civil, Environmental and Infrastructure Engineering at SIU Carbondale has an opening for a tenure track faculty position in the area of Structural Engineering with expertise in Structural Design, at the rank of Assistant Professor.

[Two faculty Positions at the University of Nebraska-Lincoln](#)

The Department of Civil and Environmental Engineering at the University of Nebraska-Lincoln is searching for two new faculty. They are hiring an assistant professor (tenure-track) in civil infrastructure materials and an assistant professor of practice (teaching track faculty) in environmental engineering. More information can be found at:

Assistant Professor of Practice in Environmental Engineering: [Assistant Professor of Practice - Environmental Engineering](#)

Assistant Professor - Civil Infrastructure Materials: [Assistant Professor - Civil Engineering Materials](#)

[Assistant Professor of Environmental Engineering at Cal Poly](#)

The Civil & Environmental Engineering Department at California Polytechnic State University, San Luis Obispo invites applications for a tenure-track faculty position at the Assistant Professor level in Environmental Engineering related to bioremediation, resource recovery, air quality, or solid/hazardous waste. The attached file and the link below have full description of the position.

<https://careers.pageuppeople.com/873/cisl/en-us/job/505528/assistant-professor-of-environmental-engineering>

[Virginia Tech - Four tenure-track/tenure faculty positions](#)

The Charles E. Via, Jr. Department of Civil and Environmental Engineering is seeking applicants to four tenure track/tenured T&R faculty positions in the following areas: environmental engineering, construction engineering and management, structural engineering and materials, and geotechnical engineering.

Descriptions of each of the open positions are attached. Please refer applicants to the department [website](#) for more information.

[Tenure-Track faculty position\(s\) in Environmental Engineering \(Water/Wastewater; Air Pollution\), Mercer University](#)

The Mercer University School of Engineering (MUSE) invites applications for a tenure-track, faculty position in Environmental & Civil Engineering, starting August 2022. The ideal candidate will have expertise and scholarly interests in water/wastewater treatment, modeling wastewater treatment and water distribution systems, biosolids treatment, bioremediation, and water chemistry or expertise and interests in indoor/outdoor air pollution and atmospheric chemistry and modeling. Priority will be given to motivated individuals who can connect contemporary water and wastewater issues or air pollution issues to regional, national, and global public health outcomes. The position requires a strong commitment to excellence in teaching at the undergraduate and master's level, integrating service and research, and scholarship focused on the institution's educational mission. Mercer Engineering uses a core curriculum model and we would expect this faculty member to periodically teach fundamental engineering courses such as introduction to freshmen design and senior design capstone, among others. The ideal

candidate should also have the ability to support Mercer University's signature Mercer on Mission Program (<http://mom.mercer.edu/>), which offers faculty unique opportunities to develop and lead sustainable international service and research projects, carried out with Mercer students and host-community collaborators.

Mercer's Environmental & Civil Engineering Department attracts a diverse group of students, many of whom are involved in research. The department is a leader in student awards/recognition, including one recent student being named the Engineering student of the year by the Georgia Society of Professional Engineers, and four students in the department receiving the prestigious Goldwater Scholarship over the past five years (leading the nation among Civil/Environmental departments during this period).

Candidates should have a Ph.D. in Environmental or Civil Engineering or closely related field from an accredited institution with an emphasis on unit operations and processes used for treating water and wastewater OR an emphasis in air pollution. Candidates with a water/wastewater emphasis should have the demonstrated ability to teach courses focused on sustainable water/wastewater treatment design, sludge processing, bioremediation, water chemistry, hydraulics, and modeling environmental systems. Candidates with an air pollution emphasis should have the demonstrated ability to teach courses focused on air pollution, atmospheric chemistry, and/or climate change topics. Additionally, candidates should have a B.S. in Civil Engineering, Environmental Engineering, or a related field from an accredited college/university.

See full job description and apply at: <https://mujobs.mercer.edu/cw/en-us/job/495807/faculty-environmental-and-civil-engineering>

Tenure-Track Faculty Position - Cal State LA

Cal State LA's Civil Engineering Department is advertising a tenure-track faculty position announcement in the Water Resources area to those in your program who may be interested. The position description is attached and direct link to the position announcement is below.

Tenure-Track Assistant Professor – Hydrology/Water

Resources: <https://www.calstatela.edu/2022/college-engineering-computer-science-technology/ecst-ce-ttf>

Tenure Track Faculty Positions in Water at Colorado State University

Colorado State University has two open, tenure track faculty positions in water. The position descriptions are attached, and direct links to the position descriptions are as follows:

Assistant/Associate Professor – Hydrologic Science and Engineering: <https://jobs.colostate.edu/postings/94117>

Assistant/Associate Professor – Groundwater Hydrology and Engineering: <https://jobs.colostate.edu/postings/94118>.

Two Water Faculty Openings at Colorado State University

Assistant/Associate Professor – Hydrologic Science and Engineering

The Department of Civil and Environmental Engineering (CEE) at Colorado State University (CSU) invites applications for a tenure-track faculty position in the field of hydrologic science and engineering with emphasis on climate change impacts on civil infrastructure systems. Relevant research areas may span from the hydrologic processes associated with land-surface/atmosphere interactions to integrated adaptation, mitigation, and risk management strategies. CSU is a land-grant institution with a strong commitment to research and scholarly activities that impact society and address global problems. Experience in or potential for international collaborations is desired. This position is located in Fort Collins, CO.

To view full posting and apply: <https://jobs.colostate.edu/postings/94117>

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

Assistant/Associate Professor – Groundwater Hydrology and Engineering

The Department of Civil and Environmental Engineering (CEE) at Colorado State University (CSU) invites applications for a tenure-track faculty position in the field of groundwater hydrology and engineering with emphasis on interdisciplinary approaches to sustainable management of groundwater. Relevant research areas may include managed aquifer recharge, groundwater interactions with the environment, climate impacts on groundwater resources, application of big data analytics to assess groundwater systems, and fate and transport of contaminants. Preference will be given to applicants that demonstrate an ability to interface with a broad range of stakeholders and partners. CSU is a land-grant institution with a strong commitment to research and scholarly activities that impact society and address global problems. Experience in or potential for international collaborations is desired. This position is located in Fort Collins, CO.

To view full posting and apply: <https://jobs.colostate.edu/postings/94118>

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

Two Faculty Positions at CEE Department, Case Western Reserve University

The Department of Civil and Environmental Engineering at Case Western Reserve University have started the search to fill two faculty positions. One tenure track faculty position with environmental engineering focus. One teaching faculty position in broadly defined structural engineering/engineering mechanics. Details of these positions are described in the attachments.

Assistant Professor Position at the University of Hawaii at Manoa

The Civil and Environmental Engineering department at the University of Hawaii at Manoa is searching for an Assistant Professor in Geotechnical Engineering to start August 1, 2022. Additional information is available at:

www.governmentjobs.com/careers/...

More information on the department is available at [Civil & Environmental Engineering Department- University of Hawaii at Manoa](#)

Inquiries should be sent to ianrob@hawaii.edu

Faculty opening in smart cities at Columbia University

Please see attached information about a faculty position at Columbia University. Questions can be directed to Prof. Sharon (Xuan) Di (sharon.di@columbia.edu)

CU Denver recruiting four faculty in civil engineering

The Civil Engineering Department at the University of Colorado Denver is recruiting up to four new faculty with both tenure-track and non-tenure-track (clinical teaching track) options at the level of Assistant Professor or Associate Professor. They are recruiting across the spectrum of civil engineering, including our graduate track in Hydrologic, Environmental, and Sustainability

Engineering (<http://engineering.ucdenver.edu/HESE>). Questions can be sent to david.mays@ucdenver.edu

Tenure-track application:

<https://cu.taleo.net/careersection/2/jobdetail.ftl?job=22984&lang=en>

Non-tenure-track application:

<https://cu.taleo.net/careersection/2/jobdetail.ftl?job=23000&lang=en>

Caution – Phishing Scam!

If you ever receive an email that is suspect, please report them! More information about how to report: <https://www.ucdavis.edu/news/iet-alerts-phishing-duo-and-windows-7#:~:text=If%20you%20receive%20emails%20you,to%20abuse%40ucdavis.edu>