

From: [Rufa N Pazyuk](#)
To: [coe-cee-grad-students Sympa List](#)
Subject: CEE Graduate Students Newsletter
Date: Friday, September 11, 2020 1:38:19 PM
Attachments: [Virtual Spa Day.pdf](#)
[2021 HDR Scholarship Transportation.pdf](#)
[COE Civil Engineering 20-02- Ad.pdf](#)
[Engn. Flyer W&L 2020.pdf](#)
[2020 ACCELERATE Asych Announcement.pdf](#)

Hello Civil and Environmental Engineering Graduate Students,

I hope you and your family are staying safe and well during this time. Please see the announcements below. This is a lengthy email but there is very useful information regarding scholarships, career positions, events, and courses. So please be sure to look through it. Also, remember to take some time today to pause and honor the heroes and all who lost their lives on this day nineteen years ago.

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Wildfires

Previous Email

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Dear UCD CEE Community,

We know that many in our community have been impacted directly and indirectly by the recent wildfires, exacerbating the ongoing challenges of the COVID-19 pandemic. We have compiled a list of a variety of UCD and other community resources [here](#) (and pasted below). You may have received some of these through other emails, but we thought it would be helpful to consolidate them in one place where they can be updated as conditions change. Also, if you know of people who have been severely impacted by the fires, consider reaching out and offering support if you are able.

For those in CA, there are [forecasts](#) over the next few days for more dry lightning storms of the sort that sparked the recent wildfires, although hopefully less intense. Nevertheless, please take appropriate precautions.

For those approved to work on or off campus, please consider the current [air quality conditions](#) when [deciding](#) whether it is safe to come in/go out (in addition to the now-standard COVID-19 precautions) and work with your advisor or supervisor. Please note that the air filters on Ghausi Hall are not optimized for wildfire smoke, and so while indoor building air quality is better than outdoor when smoke levels are high it may still be the indoor air quality can be poor.

Also, if you are planning on driving to the Bay Area, or other areas that may be impacted by fires, please check the news about possible road closures. The fire has been crossing major highways at some points in time during the last couple of days. You can get road closure information at: <https://511.org/alerts/critical>.

Kind Regards,
Chris, Colleen, and Miguel

A non-exhaustive list of some resources for the UCD Community

Vacaville/Solano County Resources

- [After The Fire](#) (City of Vacaville - listing of resources)
- [Vacaville Fire Victims: U-Haul Offers 30 Days Free Self-Storage](#)
- [Solano County Interactive Map of LNU Complex](#)
- [Evacuation Information](#) for Solano County

UC Davis Resources

- [Short-term emergency housing](#): UCD has short-term (up to 5 days), emergency housing for UCD community members impacted by evacuations due to the 2020 wildfires in Northern California. If you have lost your housing, longer-term housing solutions may be available. Call 530-754-4772 between 8 a.m. and 8 p.m. August 21-24.
- UC Davis SHCS- [Community Advising Network \(CAN\)](#) (This system can be used by undergraduate and graduate students; we believe there are shorter wait times than the other SHCS online appointments - <https://shcs.ucdavis.edu/online-visits>).
- [Human Resources - Academic and Staff Assistance Program \(ASAP\)](#) (Counseling services for UC Davis faculty and staff)

- [Aggie Compass](#) (UC Davis Basic Needs Center - links to several UC Davis resources)
- [Campus Wildfires Operations](#): gives current campus status and links
- [UC Wildfire/Air Quality Decision Matrix](#): Can inform your activities

Other Resources

- Air Quality Updates:
 - The official [AirNow](#) Air Quality Index (note: usually lags current conditions by about 2-3 h)
 - The unofficial [Purple Air](#) network from crowd-sourced low-cost monitors (note: these are often biased high by a factor of 1.5-2 for wood smoke, are not quality controlled, but are real-time and trends are likely good)
- [Preparing for wildfire evacuation](#)
 - [City of Davis Emergency Preparedness Information](#) (pdf)
 - [Preparing an emergency supply kit](#)
- <https://www.auntbertha.com/> - Good website for finding resources near you including food pantries, housing/utility assistance programs, transit for healthcare, etc.
- <https://yolo.maps.arcgis.com/apps/webappviewer/index.html?id=5458e2e8c8c54e19923da248ac3add0c/> - Website to identify evacuation routes based on address. This is for Yolo County.
- <https://www.fire.ca.gov/incidents/> - CalFire incident information page (including map).
- <http://calalerts.org> - Service to get cell phone emergency alerts.
- <https://511.org/alerts/critical> - Traffic alerts

Potential organizations to support (not endorsements)

- [Supplying Aid to Victims of Emergency \(SAVE\)](#)

CEE Teaching Discussion/Workshop Recordings and Materials

Previous Email

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Dear all,

Thank you to everyone who participated in the past four weeks of discussions/workshops on teaching. We uploaded the four recordings to a Civil & Environmental Engineering Aggie Video Channel. All course materials including today's slides are on the Google Drive folder. If you have trouble accessing any of the materials, please let us know.

Kind regards,
Colleen and Katerina

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[Scholarships and Fellowships](#)

HDR Scholarship Program (Attached)

We will be awarding two \$10,000 scholarships to graduate students interested in transportation

engineering (majoring in civil engineering, structural engineering or geotechnical engineering) and the University of California, Davis is one of the schools we would like to target applicants from. The scholarship would also include a paid internship within our transportation business group. Please see attached flyer and link (www.hdrinc.com/transportation-scholarship) for more information.

Graduate Research Fellowship Program (GRFP)

The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the quality, vitality, and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports outstanding graduate students who are pursuing full-time research-based master's and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM education. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM or STEM education. NSF actively encourages women, members of underrepresented minority groups, persons with disabilities, veterans, and undergraduate seniors to apply. To learn more and apply, please visit: https://www.nsf.gov/pubs/2020/nsf20587/nsf20587.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

*****Additionally, please visit the [Graduate Student Financial Support Page](#) to see the list of fellowships, as it is that time of year when applications are due.**

[Programs and Career Opportunities](#)

ASEE DELTA Future Faculty Institute Program

Are you a current graduate-level student or industry employee considering a career as an engineering faculty member? If so, the **ASEE DELTA Future Faculty Institute** is for you!

[Click here to learn more about the DELTA Future Faculty Institute!](#)

Overview

Premiering October 2020, the **ASEE DELTA Future Faculty Institute** is a **three-part, instructor-led online program** that will provide participants with the knowledge and tools to positively launch their engineering faculty careers.

Throughout this program, led by [Terri Lynch-Caris, Ph.D., P.E.](#) (Workplace TLC, Kettering University), participants will learn how to **prepare for and navigate the faculty application, interview, and start-up process**, while engaging with a network of peer colleagues. [Click here](#) to read complete program details.

Dates and Times

- Wednesday, October 14, 2020, 11 AM – 1 PM, ET
- Wednesday, October 21, 2020, 11 AM – 1 PM, ET
- Wednesday, November 4, 2020 from 11 AM – 12 PM, ET

Pricing

We are pleased to offer **introductory pricing** for this program at \$250 for ASEE members and \$300 for non-members. This program has been valued at \$375. [Register today!](#) *Not a member?* [Click here](#) to learn about ASEE individual memberships and to join ASEE.

Don't miss out on this opportunity to gain the knowledge and tools to launch your engineering faculty career. [Learn more and register](#) for the DELTA Future Faculty Institute today – seating is

limited!

***** The Dean's Office will fully support the registration cost for a maximum of twenty (20) PhD students to participate in the program. Students may be new or continuing PhD student enrolled in a graduate program administered by the College of Engineering. Students interested in this opportunity should contact Alin Wakefield amwakefield@ucdavis.edu via email by September 15.*****

Tenure Track Faculty Position (Attached)

The Department of Civil Engineering at the University of Texas at El Paso (UTEP) invites applications for a full-time tenure-track position at the rank of assistant or associate professor to start in the Fall 2021 semester in the area of smart cities. For full description and application instructions, please see attached or visit <https://www.interviewexchange.com/jobofferdetails.jsp?JOBID=124795>

Tenure-track Position in Engineering at Washington and Lee University (Attached)

Tenure track Assistant/Associate Professor of [Engineering](#) Position at Washington and Lee University (Lexington, VA). [W&L](#) is ranked as one of the top 10 liberal arts institutions, and as such, we have outstanding students and faculty. As our new [strategic plan](#) makes clear, increasing the diversity of our students, faculty, and staff is at the forefront of our institutional objectives. We are committed to the recruitment of candidates historically underrepresented in academia. The W&L engineering degree program in the Department of Physics and Engineering is thriving; the department mentors a very active and talented group of students, averaging about 15-20 engineering majors per year. About 50% of our graduates pursue a MS or PhD in engineering; several have been awarded Fulbright scholarships and NSF graduate fellowships during the past 5 years. We take pride in mentoring our junior faculty and getting them off to a strong start. In terms of research, dedicated lab space and start-up funds are available. In terms of teaching, creative pedagogy and new elective courses within their area of expertise are encouraged.

For more information and to apply, please see attachment or visit: <http://apply.interfolio.com/77982>

Collegiate Hiring Initiative

The FBI's Collegiate Hiring Initiative (CHI) recruits for recent undergraduate and graduate students for full-time, permanent positions. This year's initiative will be advertised in 14 different categories: Auditor, Budget Analyst, Data Analyst, Equipment Specialist-Automotive, Electronics Technician Trainee, Government Information Specialist, HR Assistant, HR Specialist, IT Specialist, Management and Program Analyst (MAPA), Management and Program Assistant (MP Assistant), Operational Support Technician, Records Conversion Technician, and Security Specialist. If you are interested, please visit: www.FBIjobs.gov.

Closing Date: **September 30, 2020 at 11:59 pm (EST)**

Key Requirements

1. You must have graduated or will be graduating between May 2019 and June 2021 (Veterans:

May 2015 and June 2021)

2. You must have a graduating GPA of no less than 2.95 on a 4.0 scale
3. Must be able to obtain a Top-Secret security clearance
4. You must not be a current, permanent FBI employee
5. Have attached Transcript(s) and/or appropriate documents by the close of the Job Opening or applicant will not be considered (Job Openings advise that these documents need to be uploaded in a “.pdf” format)

If you do not meet all of the key requirements, you are NOT eligible for the FBI’s Collegiate Hiring Initiative (CHI).

Events, Workshops, and Resources

Virtual Spa Day for Black Graduate Women in STEM (Attached)

[The Niela Project](#) will be hosting a half-day virtual **SPA DAY** for Black graduate women in STEM. [SPA DAY](#) is an acronym for **Self-care, Perseverance, Awareness & Deliberately Affirming Yourself.**

SPA DAY brings together researchers and therapists who will discuss and provide coping strategies for three phenomena:

1. **Strong Black Woman:** Expectations and pressure of managing multiple roles
2. **Stereotype Threat:** Being at risk of confirming a negative stereotype about one’s social group
3. **Impostor Syndrome:** Feelings of inadequacy that persist despite evident success

Below are details about the event:

Date: September 26, 2020

Time: 10:00 a.m. – 2:00 p.m. PT (1:00 p.m. – 5:00 p.m. ET)

Register online by Fri, Sept 18th: <https://sites.uci.edu/thenielaproject/spa-day>

Cost: Free

Annual Student Video Challenge

The video challenge invites undergraduate and graduate students to make a short video and enter the competition. It would be great visibility for UC Davis should one of our student videos be selected. Members of Congress and the public are the primary audience. The goals of the video are to share a story about exciting or interesting research and to advocate for federal support for research in general. Some students may have great research story, but not the video confidence, so Associate Director of Visual Communications John Mounier has agreed to be listed as a resource.

Videos should be primarily filmed and edited by team members (students), but making use of university video resources and expertise is allowed.

- Video entries should be no shorter than 60 seconds and no longer than 90 seconds in length. Videos outside of this range will not be eligible for consideration.
- Videos should be filmed & edited in high resolution (HD 1280×720 or higher) format.

First place winners will receive \$1,000, second place winners will receive \$750, and third place

winners will receive \$500. Graduate and undergraduate students will be judged separately. The winner of the People's Choice Award, which is open to both graduates and undergraduates, will receive \$500.

The deadline is October 19. All details regarding entries, tips, and submission are at: <https://www.sciencecoalition.org/student-video-challenge-2020/>

Diversity, Equity, and Inclusion Spaces: Equity in Online Environments

Tuesday September 15, 10 am to 11 am

This **space is for students** to come together to discuss concerns about and opportunities for equity/access in online learning and research environments. Undergraduate and graduate students are encouraged to join the conversation.

[Zoom Link](#)

Non-CEE Courses

ACCELERATE Asynchronously Course (Attached)

The Center for Educational Effectiveness (CEE) is pleased to announce the self-paced, fully-online **ACCELERATE Asynchronously** program to help faculty and teaching assistants prepare for remote teaching. The program is designed to support the creation of inclusive and equitable e-learning environments for the transition of face-to-face courses into online courses. The program is open to all faculty, teaching assistants, and staff.

For more information about **ACCELERATE Asynchronously** and to enroll, visit <https://cee.ucdavis.edu/courses>.

AMS 298 Fall 2020: Designing Your Professional Life (online)

A career course for graduate students (Master's & PhD) from all disciplines

2 units, S/U, online

Fridays, 10:00-11:50AM PT

CRN 20915

Graduate students will use the design thinking process, characterized by curiosity, experimentation and collaboration, to examine a variety of traditional and innovative career paths.

Highly interactive sessions include:

- Self-assessment and occupational research
- Skills development (networking, writing for the job search, interviewing)
- Interdisciplinary interactions with career professionals from a variety of industries & work environments

Questions: Dr. Bethany Hopkins (bjhopkins@ucdavis.edu)