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Civil Engineering Undergraduate Announcements – November 9, 2020

Happy Week 6! Remember we have Wednesday (11/11/2020) off this week!

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Get Involved on Campus!

Engineering Clubs – Padlet

Students who are looking to get involved: Check out the virtual bulletin board of club activities on padlet which is linked below but can always be accessed from the student life page at the following website: <https://padlet.com/engugrad/li0se9rf0pb92uw3>

American Institute of Professional Geologists (AIPG) at UC Davis

AIPG has its first speaker event this Thursday (11/12) at 7:00 pm.

This is a great opportunity to hear from a professional geologist about how she found a work-life balance in the earth science industries.

Our speaker:

Dawn Garcia is a hydrogeologist and a licensed professional geologist with over thirty years of experience in environmental permitting and compliance, baseline studies for site characterization, mine life cycle planning and hydrologic projects. Her extensive experiences in mining have taken her to hundreds of mineral exploration projects and mining operations. Ms. Garcia has served as the Geologist Member of the Arizona Board of Technical Registration by appointment of the Governor, she is vice-present on the executive board of the American Institute of Professional Geologists and currently serves as the Arizona Section past president.

Event Details:

Join Zoom Meeting <https://zoom.us/j/96880145489?pwd=RjNmTjdnNEZpU1ZLQWhmMXVobU52dz09>

Meeting ID: 968 8014 5489

Passcode: 558917

American Water Works Association

MBK Info Session - When: November 13 at 4:10

AWWA at UCD is inviting everyone who is interested in learning about water resources to join our MBK Engineers info session. Meet water engineers and learn about their contributions to the water industry. Come learn about the company culture and the skills needed to succeed in this profession. Feel free to ask questions about their career pathway, what they do, and what they enjoy about working as an engineer. The engineers at MBK Engineers are open to answering any questions related to the profession and want to provide you with information to help you succeed. For more information, please see the attached flyer.

Zoom link: <https://ucdavis.zoom.us/j/99199368940>

Meeting ID: 991 9936 8940

For more information about MBK Engineers, you may visit their website at <https://www.mbkengineers.com/home/>

BIG Journal Club

A reminder that BIG Journal Club has their CRISPR paper, titled “A programmable dual RNA-guided DNA endonuclease in adaptive bacterial immunity,” coming up **Monday 11/09 (TODAY)**! CRISPR Cas-9 is a prokaryotic defense mechanism that researchers have manipulated to become a game-changing genome editing tool. The researchers Emmanuelle Charpentier and Jennifer Doudna who worked on the paper we will be reading were actually awarded the Nobel Prize in Chemistry this year!

If you are new to this topic and/or to reading scientific literature, come out and they'll help break it down for you! And if you happen to know more about CRISPR or have even worked with it in a lab, we also encourage you to come! They hope to have very cool discussions where everyone can learn something new.

If you would like the zoom link to attend, [RSVP HERE](#).

Engineers Without Borders

Engineers Without Borders has released their November event schedule. For more information, please see the attached flyer.

Science Olympiad at UC Davis

Olympiad at UC Davis is a STEM outreach club on campus. They encourage you to join their team. For more information on this club, please see the attached flyer.

Please contact Prabh at pmann@ucdavis.edu or their presidents, Claire Chapman and Chad Mowers at sciolyatucdavis@gmail.com, if you have any further questions or concerns.

Scholarship Opportunities

ASUCD Scholarship

ASUCD's scholarship is now open! Any enrolled UC Davis student in good academic standing is eligible for this scholarship. In addition, they cordially invite students who may not receive high GPAs, but are outstanding in aspects of their character to apply for this scholarship.

The application and additional information can be found at <https://asucd.ucdavis.edu/scholarship/> and the deadline to apply is **November 15th, 2020 at 11:59 PM PST**.

Contact aac@asucd.ucdavis.edu or vicepresident@asucd.ucdavis.edu if you have any questions!

Also note: ASUCD Fall Elections voting will be open from November 16 at 12 pm - November 19 at 12 pm!

Tim Fleming Memorial Scholarship

Are you a Junior, Senior or Graduate Civil Engineering/Transportation major at California State University Sacramento, University of California Davis, or University of the Pacific? Then you should apply for the Tim Fleming Memorial scholarship. Forms are due December 11, 2020. For more information, please see the attached flyer.

Tim was an outstanding engineer and volunteer for communities in Northern California who unexpectedly passed away at the young age of 51. He exemplified leadership, integrity, and character. To pay tribute to his legacy as a leader in the engineering community, a scholarship

was established in his name. Tim was a graduate of UOP and Stanford University and had been very active in the Sierra Chapter of ACEC California and the Sacramento Chapter of the American Public Works Association.

For more information, please see: <http://transportationfoundation.org/scholarships/>

MIT Graduate Opportunity – Transportation

Attached are details on [MIT's transportation-related graduate programs](#). The storied program has been expanded to include additional cross-disciplinary opportunities and coursework to prepare students for the diverse array of transportation challenges facing professionals and researchers today. The program is housed under [MIT's Mobility Initiative](#), which unites mobility-related research across MIT to help drive the necessary changes in the long-term trajectory of sustainable mobility development.

They will be holding a [virtual open house](#) on November 19th led by the program's director, Dr. Jinhua Zhao, to offer an overview of the program and the admissions process. Candidates are also cordially invited to attend the Initiative's [Mobility Forum events](#) to learn more about the transportation research underway at the Institute.

Shoes Before Socks!

Mark your calendars...The Winter 2021 issue of *Open Ceilings* literary magazine, ***Shoes Before Socks***, coming soon on **November 13th with a virtual launch party from 6-8PM!**

What is *Open Ceilings*?

Open Ceilings is an undergraduate-run literary magazine specifically dedicated to creative writing and visual arts. They accept short fiction, poetry, creative nonfiction, artwork, and photography for print publication. This season, they hope to maximize community outreach with a number of online public events. With an emphasis on interdisciplinary collaboration, *Open Ceilings* is committed to providing an inclusive platform for creatives to come together and share their work.

What is this issue about?

The third issue, *Winter 2021: Shoes Before Socks*, is a collection of work centered on routine, everyday objects, and all the ways we cling to normalcy when things feel upside-down. This volume captures the little things that help us feel grounded amidst global uncertainty—our habits and trinkets, our shoes and our socks. *Shoes Before Socks* is the result of our anxieties but also the source of our comfort.

Follow them on social media or visit our website to stay updated on our upcoming events, and mark your calendars for November 13th!

Where can you contact us?

- Check out our website www.openceilingsmagazine.com for more information
- Pre-order the new issue here: <https://www.openceilingsmagazine.com/store>
- Contact the board at contactopenceilings@gmail.com

Job/ Internship Opportunities

Undergraduate Research on Campus

Many communities and industries are exploring the use of waterless urinals to conserve water and recover valuable nutrients. The goal of this study is to investigate biomineral formation which is a key challenge in improving the functionality of waterless urinals. This project entails bench scale experiments to investigate how to minimize scaling that occurs in waterless systems. The undergraduate student's primary tasks will be to assist the Ph.D. student researcher by preparing stock solutions using sterile technique, priming pumps, and monitoring the system operation. The student will also have an opportunity to learn how to characterize the scale formation using enzymatic assays. This position would be a 3-month commitment with weekly hours up to 10 hours a week. Working schedules and days are flexible. Applicants should upload a brief statement of interest and qualifications (including commitment to work 10 hrs/week for 3 months excluding Dec 21 to Jan 1) to the Google Drive linked here as soon as possible. Deadline to express interest is November 10 **(TOMORROW)**. <https://tinyurl.com/y2d3pzlm>.

Banks Integration Group

Banks Integration is looking for several students to work in a full-time position. This is a contract position for 2 months. This is an urgent hire since they are looking for a starting date as early as next week, if possible. There may be an opportunity to be brought on as a permanent full-time employee, but there are no guarantees. These positions are open to all engineering majors; specifically, new graduates.

Please see the link below for the application:

<https://phf.tbe.taleo.net/phf03/ats/careers/v2/viewRequisition?org=GLENMOUNTGLOBAL&cws=37&rid=441>

If there are specific student referrals, please email their resume directly to Nishith Upadhyaya NUpadhyaya@etechgroup.com for review.

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Macey Miyahara

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