

Hi CEE Graduate Students,

Please see this week's announcements below:

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Multiple Tenure-Track and Instructional Positions for 2023 at Univ. of Colorado Boulder

Fellowships/Scholarships

Ford Fellowship Workshop

Professor Inés Hernández-Ávila is facilitating the Ford Fellowship Application workshop again this year! The workshop is scheduled, in person for Wednesday, October 19, 2022 from 1:00 to 2:30 pm in the Gibling Room at the Graduate Center. The workshop will also be recorded. The Ford Foundation describes the fellowship thusly, "Through its program of fellowships, the Ford Foundation seeks to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, maximize the educational benefits of diversity, and increase the number of professors who can and will use diversity as a resource for enriching the education of all students." Potential applicants are encouraged to review the fellowship criteria and application carefully so that one's time will be applied effectively.

Last year, there were 5 UC Davis Ford Fellowship awards and five honorable mentions! Due to the recent Ford announcement that this is the last full year of the Fellowships, we are committed to

supporting a significant effort again, in this final comprehensive year. We will also be offering a working group workshop that will be announced soon!

This Ford workshop focuses on graduate students applying to a Ford Fellowship (pre-doctoral and dissertation) this fall. We encourage applicants to invite faculty advising them through the Ford application process. Faculty member, Professor Inés Hernández-Ávila, will be leading the discussion about developing a competitive application. Dr. Hernández-Ávila is a senior Ford Fellow and is very familiar with application components. She will provide valuable insights for both grad students and their advisers.

Please see this link to the Ford fellowship eligibility requirements: <https://sites.nationalacademies.org/PGA/FordFellowships/index.htm#>. Please register for this workshop at this link.

Professional Development

Workshops for Graduate Students and Postdocs

Writing a Teaching Statement for the Academic Job Market

Monday, October 24, 2022

2:10-3:00 pm

Location: Online via Zoom

Register

Description:

Why do you teach? How do you teach? How do you measure your effectiveness? Most academic job applications require applicants to address these questions in a Statement of Teaching Philosophy (SoTP). Developing a SoTP can help you clarify your goals as an educator and reflect on how you teach. In this hands-on workshop, participants will learn strategies to write a compelling SoTP. Participants should bring a draft of their own SoTP to the workshop to review and revise. Participants are also encouraged to access and complete the self-paced online module, “Developing a Statement of Teaching Philosophy for Academic Job Applications” prior to attending the session.

Getting to Know What Your Students Know: Simple Strategies to Assess Student Learning

Monday, October 31, 2022

2:10-3:00 pm

Location: Teaching & Learning Complex, room 1213

Register

Description:

Have you ever wondered if your students were really “getting it” or been shocked with low exam grades when you thought all was well? This interactive workshop offers practical techniques to assess your students’ learning throughout each class and throughout the quarter. Research shows that low-stakes formative assessments such as low-stakes quizzes and reflection activities enhance student performance on final exams and papers. Participants will learn strategies to effectively gauge student learning and provide effective and constructive feedback.

Keep Them Engaged! Active Learning for Student Success

Tuesday, November 8, 2022

3:10-4:00 pm

Location: Teaching & Learning Complex, room 1211

[Register](#)

Description:

Research shows that active learning in the classroom increases student learning and motivation, and it also plays a significant role in the retention of first-year college students. This interactive workshop highlights evidence-based strategies for promoting active learning and interaction. Participants will learn about the importance of active learning and come away with activities they can apply immediately to their instruction.

Creating Inclusive Classrooms

Monday, November 14, 2022

2:10-3:00 pm

Location: Teaching & Learning Complex, room 1213

[Register](#)

Description:

Our identities and backgrounds shape our experiences, values, and expectations in the classroom and beyond. Diversity strengthens the learning environment, and as instructors, we can look for opportunities for students to draw on their unique experiences while also enhancing our own abilities to teach and communicate across differences. This workshop will include both reflective exercises on how students' identities and background can affect their university learning experience, as well as practical strategies to create a more inclusive classroom.

Clubs and Resources

GSoC+ Community Dinners

Details:

October 18, 2022

5pm – 7pm

Gibeling Conference Room

[See flier for more details.](#)

Job Opportunities

Open rank faculty position in Transportation Engineering at CCNY

The Department of Civil Engineering at The City College of New York (CCNY) of The City University of New York (CUNY) is seeking a tenure-track faculty member with expertise in transportation engineering.

The search is open rank and candidates at the Assistant, Associate, and Full Professor levels will be considered. The successful candidate will hold a Ph.D. in Civil Engineering or a closely related field, develop an externally-funded research program that complements existing departmental and college expertise, be capable of and passionate about teaching fundamental undergraduate courses and advanced graduate courses, contribute to the department's vitality through professional and departmental service, and be eligible and willing to obtain a PE license. Specific areas of research interest include sustainable, equitable, and resilient transportation infrastructure planning, design, and operations; advanced technology applications for transportation; and new multi-scale modeling and system management approaches that leverage emerging data streams.

The CCNY Department of Civil Engineering aims to provide visionary leadership in reimagining and modernizing the aging infrastructure systems of coastal urban mega-cities. The department also seeks to continue in its historic legacy to attract and provide a rigorous education to a talented future civil engineering workforce who will bring a diversity of perspectives to addressing New York City's urban infrastructure challenges. The department has 19 full-time faculty members with expertise in transportation, environmental engineering, structural engineering and mechanics, and water resources; who actively engage in research with international, national, regional, and local agencies as well as private entities to address complex infrastructure demands and challenges both locally and globally. The department houses several CCNY centers and CUNY institutes including the CUNY Remote Sensing Earth System Institute, the CUNY Environmental Crossroads Initiative, the CUNY Institute for Urban Systems, the CUNY Institute for Transportation Systems, and the University Transportation Research Center. The full job announcement can be found here: Assistant, Associate or Full Professor - Civil Engineering (Tenure-track) in New York, New York, United States

Postdoctoral Research Hydraulic Engineer Position

See attachment for more details.

Transportation Engineering tenured/tenure-stream faculty position at the University of Pittsburgh

The Department of Civil and Environmental Engineering (CEE) at the University of Pittsburgh invites applications for a tenure-track faculty position in Transportation Engineering effective September 1, 2023. Preference will be given to appointees at the Assistant Professor level, but applicants with outstanding credentials will be considered at other levels.

We seek candidates with fundamental expertise, research, and teaching interests in one or more of the following areas: multimodal and sustainable transportation systems, travel demand modeling and forecasting, urban mobility behavioral science, intelligent transportation systems, traffic safety, autonomous and connected vehicles, soft-computing and operations research for transportation applications, and highway and traffic operations.

We seek candidates with a multi-disciplinary approach to develop transformational solutions for the current and future problems in urban transportation systems that can complement the existing strengths and initiatives within CEE (www.engineering.pitt.edu/Departments/...) and across the University of Pittsburgh (www.pitt.edu/research). These initiatives include big data analytics, infrastructure systems modeling, advanced materials development, sustainability, and energy. The

ability to collaborate with existing centers, such as the Center for Sustainable Transportation Infrastructure (www.engineering.pitt.edu/CSTI), the Mascaro Center for Sustainable Innovation (www.engineering.pitt.edu/MCSI), and the Impactful Resilient Infrastructure Science and Engineering (IRISE) Consortium (www.engineering.pitt.edu/irise), is highly desirable. Outstanding candidates will have the opportunity to join our vibrant and growing department of 23 full-time faculty members, 300 undergraduate and 130 graduate students (60 of which are PhD students).

Minimum Qualifications: 1) an earned doctorate in civil engineering or a closely related field.; 2) a viable plan to develop and sustain a strong, externally funded research program within the applicant's area of expertise; 3) strong indication to contribute to the teaching mission of the Department's graduate and undergraduate programs; 4) evidence of good communication skills; and 5) commitment to support service and diversity initiatives in the Department, Swanson School, and the University of Pittsburgh.

How to Apply: Applications should be submitted at www.join.pitt.edu for position number 22008104. Interested applicants should submit: (1) cover letter, (2) CV, (3) teaching statement, (4) research interests and future research plans, (5) statement of diversity and inclusion, (6) copies of three representative publications, and (7) the names and contact information for at least three references.

For full consideration, please apply by December 1, 2022. Applications will be accepted until the position is filled.

We strongly encourage candidates from underrepresented US minority groups and women to apply for this position. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity, EOE, including disability/vets.

University of Pittsburgh faculty receive a comprehensive package of benefits, including medical, dental, vision, and life insurance; retirement savings/pension plans; and tuition scholarships for dependents. Details are available at: www.hr.pitt.edu/benefits.

Tenure-track Faculty Position in Civil Engineering at UDC

University of the District of Columbia's School of Engineering and Applied Sciences (SEAS) invites applications for one full time tenure-track faculty position in civil engineering. The appointment is expected to be effective January 01, 2023.

The department of Civil Engineering is searching for a faculty colleague who is committed to student learning and professional development, collaborative research, growth and quality of our degree programs and research portfolio. An earned doctoral degree in Civil Engineering or closely related field is required. Expertise is preferred in geotechnical engineering, geomatics, risk, and resiliency other relevant specialty complementing our existing strengths in transportation, structural, and water-resources and environmental engineering. Professional Engineer registration or ability to become registered is desirable. The candidate intends to be an outstanding teacher and scholar committed to working with diverse student body and community. The position involves undergraduate and graduate teaching, student advising, and research in the broad areas of civil and environmental engineering, along with program development. The position is expected to be filled at the assistant professor level, with a possibility for appointment at the associate professor level for a candidate bringing a commensurate level of experience.

The University of the District of Columbia is an urban land-grant institution and the only public university in the District of Columbia. Building on a 165-year tradition of excellence and opportunity, we pursue a broad mission of education, research, and community service, nurturing the next generation of diverse professionals and leaders, focused on making our city, region, country, and world a better place. From our campus in Washington DC NW, faculty and students have extraordinary access to opportunities available through the numerous government agencies and laboratories, dozens of embassies, scores of professional societies and non-profits located, and hundreds of businesses located in the Washington Metropolitan Region. SEAS offers ABET accredited bachelor's degree programs in bio-medical, civil, mechanical, electrical engineering and computer science, along with graduate programs in all majors and additional bachelor's degrees in Computer Engineering, Cybersecurity and Information Technology.

Applicants should submit a curriculum vitae, teaching & research statements, and three references (names and contact information). All applicants should submit required materials, in electronic formats through UDC website udc.applicantstack.com/x/detail/a2hbyxhfnsq5. Reviews will continue until position is filled. The University of the District of Columbia is an Equal Opportunity/ Affirmative Action Employer.

Senior Water Resources Engineer at the Department of Water Resources

<https://www.calcareers.ca.gov/CalHrPublic/Jobs/JobPosting.aspx?JobControlId=328848>

If you are a creative thinker, self-motivated, and interested in leading a talented and dynamic team in river restoration and river hydraulics and hydrology, then this Senior Engineer, Water Resources position could be right for you! Under the direction of the branch manager, the Senior Engineer in the Hydrology, Hydraulics and Flood Management Section will direct and manage various unique and challenging engineering studies and projects for the San Joaquin River Restoration Program, Arroyo Pasajero and Cantua Creek Programs, and National Flood Insurance Program.

*Note: Two additional Staff Engineer positions for this group will be posted soon.

Water Resources - Hydroinformatics Faculty position at Missouri S&T

This position is for a tenure track position in water resources with a focus on hydrology and hydroinformatics. The position can be at the assistant or associate professor level. Please share the attached advertisement and direct any questions that you or the candidates may have to search chair Mark Fitch mfitch@mst.edu or to me burken@mst.edu

More information and the application process can be found here or Missouri S&T's Human Resources Office at: <https://hr.mst.edu/careers/academic-employment/> using Reference Number 00083211.

Multiple Tenure-Track and Instructional Positions for 2023 at Univ. of Colorado Boulder

The University of Colorado Boulder (CU Boulder) College of Engineering and Applied Science (CEAS) seeks faculty whose teaching, research, and service will produce innovative engineering solutions for complex state, national, and global challenges, both current and future; will grow our national leadership in engineering education and research; and will improve the economic competitiveness,

security, and quality of life for all. We assert that a diverse faculty is necessary for achieving these goals and our campus diversity plan and we believe that our College's success requires faculty who actively work to create an inclusive culture within the college.

To do this, the college is looking to hire approximately 15 tenure-track faculty across all disciplines via both disciplinary and open-topic/open-rank searches plus additional instructional faculty positions. For more information about the positions available, please visit <https://bit.ly/CUBoulder-Engineering-Faculty-Jobs>. AEESP members are especially encouraged to review the advertisements for the open-discipline search (Req# 43000) and the Mechanical Engineering search for a faculty member who studies Air Quality (Req# 43355).

Per the Colorado Equal Pay for Equal Work Act, salary ranges are posted for each individual position. In addition to a competitive salary, the University of Colorado Boulder provides gender-neutral paid parental leave; housing assistance programs; dual career and relocation assistance; support for teaching, research, and faculty development. We encourage applications from women, racial and ethnic minorities, individuals with disabilities, and veterans.

For More Information, contact Robyn Sandekian, Director of Faculty Advancement (sandekian@colorado.edu)