

Hi Civil and Environmental Engineering Graduate Students,

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Professional Development

Ford Foundation videos and slide deck

This [link](#) offers the resources from the recent Ford Fellowship workshops. Dr. Inés Hernández-Ávila and Christina Thomas have graciously agreed to share the two workshop videos and slide deck. Please see both to gain valuable insights into applying for Ford Fellowships.

Grand Rounds with Director, National Cancer Institute

[Please join us!](#)

Tuesday, November 30,

2021

12:00PM – 1:00PM

Zoom

Norman E. “Ned”

Sharpless

Director

National Cancer Institute

Background

Norman E. “Ned” Sharpless, M.D., was officially sworn in as the 15th director of the National Cancer Institute (NCI) on October 17, 2017. Prior to his appointment, Dr. Sharpless served as the director of the Lineberger Comprehensive Cancer Center at the University of North Carolina (UNC).

Dr. Sharpless was a Morehead Scholar at UNC–Chapel Hill and received his undergraduate degree in mathematics. He went on to pursue his medical degree from the UNC School of Medicine, graduating with honors and distinction in 1993. He then completed his internal medicine residency at the Massachusetts General Hospital and a hematology/oncology fellowship at Dana-Farber/Partners Cancer Care, both of Harvard Medical School in Boston. After two years on the faculty at Harvard Medical School, he joined the faculty of the UNC School of Medicine in the Departments of Medicine and Genetics in 2002. He became the Wellcome Professor of Cancer Research at UNC in 2012.

Dr. Sharpless is a member of the Association of American Physicians and the American Society for Clinical Investigation, and is a Fellow of the Academy of the American Association of Cancer Research. He has authored more than 160 original scientific papers, reviews, and book chapters, and is an inventor on ten patents. He cofounded two clinical-stage biotechnology companies: G1 Therapeutics and Sapere Bio (formerly HealthSpan Diagnostics). He served as Acting Commissioner for Food and Drugs at the US FDA for seven months in 2019, before returning to the NCI Directorship.

[11/10 CAMPOS Research Colloquium with Dr. Nieves-Cintrón, Dr. Cruz-Orengo, Dr. Martínez-Cerdeño](#)

On November 10th, the Center for the Advancement of Multicultural Perspectives on Science (CAMPOS) will host **Dr. Madeline Nieves-Cintrón** (Department of Pharmacology), **Dr. Lillian Cruz-Orengo** (Department of Anatomy, Physiology & Cell Biology), and **Dr. Verónica Martínez-Cerdeño** (Department of Pathology and Laboratory Medicine) for a [CAMPOS Research Colloquium](#).

[I-Corps@NCATS Regional Short Course \(free, starts 02/11/2022\)](#)

There is an opportunity open to faculty/students/postdocs/staff researchers interested in exploring commercialization of their biomedical technologies/research. This program is free to participate, and is being funded through a supplemental NIH NCATS grant to the School of Medicine Clinical and Translational Sciences Center (CTSC).

Questions can be directed to Prof. Nick Kenyon (njkenyon@ucdavis.edu)

Job Opportunities

[Faculty Position\(s\) in Aerosol Science and Engineering at Washington University in St. Louis](#)

The McKelvey School of Engineering at Washington University in St. Louis invites applications and nominations for tenure-track faculty position(s) in the area of aerosol science and engineering. The search is open to all areas of aerosol science and engineering, with a preferred emphasis on identifying individuals with expertise in atmospheric aerosol processes. Special consideration will be given to research involving transdisciplinary approaches (e.g. studies of atmosphere-biosphere interactions).

The primary appointment will be in the Department of Energy, Environmental & Chemical Engineering, and joint appointments with other departments may be possible for suitably qualified

candidates. Please see the attached advertisement. Questions regarding the search can be directed to search committee chair Dr. Rajan Chakrabarty (chakrabarty@wustl.edu).

Faculty Positions at Northeastern University

The Department of Civil and Environmental Engineering at Northeastern University is seeking faculty candidates for at least two positions, one or more in the area of **Environmental and Public Health Microbiology**, with opportunities for a cross-college joint appointment in the Department of Marine and Environmental Sciences in the College of Science, and one or more in the area of **Scientific Computing for Infrastructure Materials**, with opportunities for a cross-college joint appointment with the Khoury College of Computer Sciences. The department is continuing a significant, multi-year expansion in size and scope.

Please refer candidates to the attached advertisements and to this site for more details: <https://cee.northeastern.edu/faculty/faculty-hiring/>

Tenure Track Faculty Position in Environmental Engineering at Sacramento State

The Department of Civil Engineering at California State University Sacramento (Sacramento State) is looking to hire a tenure-track faculty at the Assistant Professor level in the Environmental Engineering or related area. Details of the position are described in the attachment and the link below.

<https://careers.csus.edu/en-us/job/506560/tenure-track-faculty-civil-engineering-environmental>

Faculty Position at Oklahoma State University Structural Engineering

The School of Civil and Environmental Engineering (CIVE) at Oklahoma State University (OSU) is pleased to invite applications for one tenure-track faculty position in Structural Engineering and Mechanics. The position is expected to be filled at the Assistant Professor rank; however, higher ranks may be considered with appropriate qualifications. Successful candidates must demonstrate potential for developing a strong externally funded research program. Candidates with research interests in all areas of structural engineering and mechanics will be considered. The School is especially interested in candidates that can collaborate strategically with current expertise within the department to address research areas including, but not limited to, resilient infrastructure systems, engineering for natural and man-made hazards, sustainable and interconnected systems, bio-inspired materials and structures, and smart and revolutionary materials. Candidates will have the opportunity to utilize the Bert Cooper Engineering Research Laboratory, a 33,000 ft² state-of-the-art structural engineering and materials engineering research laboratory with 6,000 ft² strong floor high bay testing area (ceat.okstate.edu/cive/research/bert-cooper/index.html). Candidates will also have access to the High-Performance Computing Center (<https://hpcc.okstate.edu>).

The successful candidate must have an academic background to teach undergraduate courses in structural engineering and engineering mechanics in the Civil Engineering curriculum, as well as offer new and/or existing graduate courses in their area of expertise. A Ph.D. and undergraduate degree in, or closely related to, Civil and Environmental Engineering is required. It is expected that candidates can become licensed as a Professional Engineer within 6 years of appointment.

Oklahoma State University is located in Stillwater, Oklahoma, approximately 60 miles from both Oklahoma City and Tulsa. The School currently has 17 faculty members, 280 undergraduate students, and 50 graduate students.

Full screening of applications will commence on December 15, 2021. Applications will be accepted until the position is filled, or the search has been terminated.

For additional information, please contact the search committee chair, Dr. Mohamed Soliman, at cive_structures@okstate.edu

Interested and qualified candidates should apply online at <https://jobs.okstate.edu>. A single pdf file will be requested with your application. The file should include: a cover letter; a curriculum vita; a research statement including the applicant's plan to secure external funding (maximum of three pages); a statement of teaching interests and philosophy (maximum of two pages) which addresses promotion of diversity and inclusion within civil engineering education; and names and contact information of five references.

For assistance with the on-line application process or to request an accommodation to enable application, contact OSU Human Resources, 106 Whitehurst, Stillwater, OK 74078 or call 405-744-2909.

Faculty Position in CEE at the University of Pittsburgh

The Department of Civil and Environmental Engineering at the University of Pittsburgh invites applications for a tenure-track faculty position with an anticipated start date of September 1, 2022. This position is part of a strategic expansion intended to support the research and teaching activities of the Sustainability and Environmental Engineering (SEE) Group. Current SEE group strengths include environmental systems analysis, environmental microbiology, and treatment of legacy and emerging contaminants applied in the domains of water, soils, energy, and the built environment. We are interested in candidates whose research complements and adds to our current strengths, particularly in data-centered approaches at the intersection of sustainability and public health. Specific areas of interest include (i) evaluation of climate change impacts on the natural and built environment, (ii) climate change implications for public health, and/or (iii) designing resilient solutions for adapting to or mitigating impacts of our changing climate.

Candidates with outstanding analytical, computational, and/or experimental skills that complement the existing strengths within the department (www.engineering.pitt.edu/Departments/...) and across the University of Pittsburgh (www.pitt.edu/research) are encouraged to apply. The University of Pittsburgh and the Department of Civil and Environmental Engineering offers a collaborative and supportive environment. We seek candidates who will contribute to this culture and who can collaborate with existing centers. Relevant Centers include the Mascaro Center for Sustainable Innovation (www.engineering.pitt.edu/MCSI), the Pittsburgh Collaboratory for Water Research, Education, and Outreach (<https://www.water.pitt.edu/>), the Impactful Resilient Infrastructure Science and Engineering (IRISE) Consortium (www.engineering.pitt.edu/irise), the Center for Social and Urban Research (<https://ucsur.pitt.edu/>), and/or the Western PA Regional Data Center (<http://www.wprdc.org/>). Outstanding computational resources can be found at the Center for Research Computing (CRC, <https://crc.pitt.edu/>) and the Pittsburgh Supercomputing Center (PSC, <https://www.psc.edu/>).

Minimum requirements to be considered for the positions are: (1) an earned doctorate in civil engineering, environmental 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; (5) commitment to support service and diversity initiatives in the Department, Swanson School of Engineering and the University of Pittsburgh. Candidates with a PE license or with the ability to pursue licensure are particularly encouraged to apply. Preference will be given to appointees at the Assistant Professor level, but applicants with outstanding credentials may be considered at other levels.

Interested applicants should submit: (1) cover letter, (2) CV, (3) teaching statement, (4) research interests and future 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. The University of Pittsburgh's statement of Diversity and Inclusion can be found at: www.provost.pitt.edu/... and the Swanson School of Engineering's initiatives can be found at: www.engineering.pitt.edu/diversity.

Applications are being accepted to Requisition number: 21007977 at www.join.pitt.edu.

Review of applications will begin immediately and will continue until positions are filled. For full consideration candidates are strongly encouraged to apply before December 1, 2021. We actively 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. EEO/AA/M/F/Vets/Disabled.

[Assistant Professor position in Atmospheric Sciences at the University of Utah](#)

The Department of Atmospheric Sciences at the University of Utah invites applications for a tenure-track faculty position at the Assistant Professor level. Applicants should have an interest in areas that relate to critical societal issues including, but not limited to, weather and climate impacts (e.g., water availability, floods, and droughts), hazardous weather and wildfires, or air quality and human health. For more information, see https://atmos.utah.edu/faculty_search/. Inquiries may be directed to search committee chair Kevin Perry (kevin.perry@utah.edu).

[Tenure-Track Faculty Position in Structural Engineering at George Mason University](#)

The George Mason University, Sid and Reva Dewberry Department of Civil, Environmental and Infrastructure Engineering (CEIE), within the College of Engineering and Computing (CEC), invites applications for one or more tenure-track faculty positions in sustainable structural engineering beginning Fall 2022. Senior candidates with established records of outstanding research and excellent teaching may be considered for tenured Associate Professor or Professor positions. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

[Useful list of fellowships for graduate students](#)

<https://research.jhu.edu/rdt/funding-opportunities/graduate/>

Scholarships

[Emergency Relief Fund Disbursement for Graduate and Professional Students](#)

Below contains important information about the latest disbursement of Higher Education Emergency Relief Funds (HEERF III).

As part of the American Rescue Plan (ARP), Public Law 117-2 signed on March 11, 2021, the Higher Education Emergency Relief Fund III (HEERF III) provides colleges with funds to award grants for their students. Financial Aid and Scholarships began to disburse funds to eligible students on November 8, 2021. Priority shall be given to those with exceptional need.

Important: Please read the following section to determine your eligibility and next steps to take for HEERF III funds. Students who do not complete the required forms will be ineligible to receive funds.

If you have already submitted a Free Application for Federal Student Aid (FAFSA) or California Dream Act Application (CADAA), no additional action is required. If deemed eligible for HEERF funds, you will receive a disbursement to your student account.

If you have **not** submitted a Free Application for Federal Student Aid (FAFSA) or California Dream Act Application (CADAA), you must take **one** of the following steps to receive a disbursement.

- **Domestic (US Citizen) and eligible non-citizen students:** [Complete and submit a FAFSA](#) by **January 31, 2022.**
- **Undocumented AB540 students:** [Complete and submit a CADAA](#) by **January 31, 2022.**
- **Undocumented (non-AB540) and International Students:** Calculate and submit your financial need through the [ARP/HEERF III application](#) by **November 19, 2021.**

For more information on COVID-19 emergency relief funding, please visit the [Higher Education Emergency Relief Funds FAQs](#). **If you have any questions, please contact Financial Aid and Scholarships through their [Contact An Expert](#) page.**

SMART Scholarship-for-Service Virtual Information Session

Science, Mathematics, and Research for Transformation (SMART) Scholarship-for-Service Program offered by the Department of Defense (DoD), offers students pursuing a degree in STEM a full scholarship, monthly stipend, internships and guaranteed employment at a DoD lab or facility upon graduation. Students pursuing a bachelor's, master's or Ph.D. are eligible to apply during the application period (August 1 - December 1). You can learn more information on the SMART website <https://www.smartscholarship.org/smart>.

They are hosting a virtual information session for students from California State University (San Bernardino) and University of California (Davis, Irvine, Berkeley) on Monday, November 15th at 12PM PST. I have attached the flyer here and would love if you could distribute to your students. Attendees will need to register ahead of time and then will receive a zoom link to join the session on the day of. The registration link is directly on the flyer and I have also included the link separately below. There will be a Q&A portion at the end of the session for students to ask questions. Anyone who registers will also get a copy of the recorded session.

<https://lmigov.zoomgov.com/meeting/register/vJl5f-utrz0qGJeMb2Df9t1YoCLlHVJ3x00>