



CASE WESTERN RESERVE
UNIVERSITY
Case School of Engineering

CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENT

Faculty Position: Assistant/Associate Professor

The Department of Civil and Environmental Engineering at Case Western Reserve University is seeking applicants for a full-time tenure-track or tenured faculty position. Qualified candidates at the levels of assistant and associate professor will be considered, with hiring rank and tenure status commensurate with academic accomplishments. The anticipated starting date of the appointment is July 2025.

We are looking for candidates who will bring a strong innovative perspective to address grand civil and environmental engineering challenges, such as climate change adaptation, environmental sustainability, sustainable materials, infrastructure and community resilience. A strong interdisciplinary science/engineering background is highly sought. The following non-exhaustive list of expertise are of specific interest: effects of climate change on infrastructure durability and resilience, sustainable built/natural environment, data science and AI for civil and environmental engineering challenges, biomediated and bioinspired engineering, robotics, digital twin, climate and natural hazards resilience and adaptation.

Applicants must have, at the time of appointment, a PhD (or equivalent) in Civil Engineering, Environmental Engineering, or a related field. Successful candidates are expected to develop a vigorous, independent, externally funded research program, maintain a strong publication record, advise students, contribute to the existing range of courses and to the development of innovative undergraduate and graduate curricula, and provide services to the department and the university. The ideal candidate will be able to teach fundamental undergraduate courses in at least one but potentially two areas of civil and environmental engineering.

Applicants should submit: (1) a letter of application; (2) curriculum vitae; (3) a statement of research interests; (4) a statement of teaching interests; and (5) the names and contact information for at least three references. CWRU and the Department of Civil and Environmental Engineering value activities that support diversity and inclusion and invite applicants to describe such activities in their letter of application.

Application materials should be submitted as a single PDF file addressed to the Faculty Search Committee, Department of Civil & Environmental Engineering, Case Western Reserve University, via Interfolio at <http://apply.interfolio.com/158070>.

Screening of applications will begin immediately and will continue until the position is filled. Questions may be directed to Dr. Huichun (Judy) Zhang (hjz13@case.edu), Chair of the Search Committee.

Founded in 1826, Case Western Reserve University is a highly ranked private research university located in Cleveland, Ohio. As a vibrant and up-and-coming city, Cleveland was named one of the

top 15 best places to live in the US by timeout.com in 2016. The campus is in the heart of University Circle, a world-renowned area for its cultural vibrancy, hosting the Cleveland Museum of Art (the second highest ranked art museum in the country), the Cleveland Orchestra, the Museum of Natural History, Cleveland Institute of Music, and the Cleveland Botanical Gardens; as well as two world-class health institutions, the Cleveland Clinic and University Hospitals of Cleveland. CWRU and surrounding institutions host many institutes and centers that support and catalyze innovative research and translational opportunities, including the Institute for Smart, Secure and Connected Systems, the Great Lakes Energy Institute, Institute for Advanced Materials, Solar Durability and Lifetime Extension Center, Clinical and Translational Science Collaborative of Cleveland, Institute for Computational Biology, Center for Global Health and Diseases, Case Comprehensive Cancer Center, Institute for the Science of Origins.

The Department of Civil and Environmental Engineering at Case Western Reserve University is one of the founding departments of the Case Institute of Technology (founded in 1880), one of the forerunners for CWRU. The Department went through successful fundraising efforts in recent years which allowed it to build the Vanderhoof Infrastructure Research and Education facilities, the Saada Family Geotechnical Engineering laboratory, Richard Saada Intelligent Geosystem laboratory, and more recently, a new concrete laboratory. These represent over \$6M investment in modernizing its research and educational infrastructure in the past 10 years. The Department is affiliated with a \$26M NSF Engineering Research Center focusing on circular economy, a \$15M US Department of Transportation National University Transportation Center focusing on infrastructure sustainability and renewal. The Department faculty address crucial water infrastructure needs with support from the \$2.5M NSF Critical Resilient Independent System and Process Project and have additionally secured over \$2.8M funding in environment related research in recent years. The department features a dynamic, pioneering, and collegial environment and consistently receives high student satisfaction. Case Western Reserve University strives to maintain a diverse and inclusive work environment. All applicants are protected under Federal law from discrimination based on race, color, religion, sex, national origin, disability, age and genetics.

Case Western Reserve provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Equity by phone at 216.368.3066 or by email at equity@case.edu. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.