

IOWA STATE UNIVERSITY

Department of Civil, Construction and Environmental Engineering

ASSISTANT, ASSOCIATE, OR FULL PROFESSOR IN GEOTECHNICAL ENGINEERING

The Department of Civil, Construction and Environmental Engineering (CCEE), in the College of Engineering at Iowa State University (ISU) seeks candidates for a tenure-track faculty position in geotechnical engineering. Hiring at the Assistant Professor level is preferred, but exceptional candidates with commensurate experience and a proven track record will be considered for the Associate or Full Professor ranks.

Targeted areas of interest include, but are not limited to, sustainability, geo-hazard mitigation, risk assessment/reliability, geo-construction, image analysis, computational geotechnics, bio-inspired geotechnics, and critical infrastructure systems. CCEE houses several programs to support research including the newly established Peterson Endowment for the advancement of geo-construction.

The successful candidate will establish and sustain an externally funded world-class research program and complement the current research and education efforts in the CCEE Department through independent and interdisciplinary collaboration. The candidate will teach courses at both the undergraduate and graduate levels, advise both graduate and undergraduate students, generate a scholarly publication record, participate in technical committees and outreach activities, and exhibit a commitment to equity, diversity, and inclusion. Candidates should communicate well, collaborate effectively, and contribute to the mission of the department.

The CCEE Department is committed to sustaining a collegial, positive, and productive environment for each individual and for the collective benefit of all. All faculty members are expected to exhibit and convey good citizenship within the program, department, college, university activities, collegial interactions, and maintain the highest standards of integrity and ethical behavior.

Minimum Required Qualifications:

- Candidates for this position must hold a Ph.D. in civil engineering with an emphasis in geotechnical engineering or a closely related field. The Ph.D. must be conferred by the employment start date.
- Candidates seeking the Associate Professor rank must also meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate's area of expertise.
- Candidates seeking the Full Professor rank are required to have a national distinction, international recognition, and a substantial scholarly record in addition to the aforementioned requirements.

Preferred Qualifications:

- Record of teaching, or potential to teach, that contributes to the department's degree programs.
- Ability to teach the existing undergraduate geotechnical engineering and foundation engineering courses.
- Record of, or potential for, research that complements existing strengths in the department and University.

- Evidence of a commitment to diversity/inclusivity.
- A record of publication in related technical areas.
- Evidence of strong communication skills.
- A professional engineering license or the ability to become licensed.
- Professional experience (e.g., academic, postdoctoral, industry) in a related field.

Department Description:

The CCEE Department offers B.S. degree programs in civil engineering, civil engineering with environmental engineering emphasis, construction engineering, and environmental engineering, plus M.S., M.Eng., and Ph.D. graduate degree programs in civil engineering, and maintains externally funded research of approximately \$17 million annually. CCEE is committed to diversity among faculty, staff, and students who can enrich University objectives in the areas of research, teaching, and service.

Additional research collaboration opportunities are encouraged through Iowa State's Institute for Transportation (InTrans, www.intrans.iastate.edu) and Center for Nondestructive Evaluation (CNDE, www.cnde.iastate.edu), as well as numerous other institutes and centers that exist on campus.

Department Website:

For more information about our department's engineering program, see www.ccee.iastate.edu.

About Iowa State University and the Ames Community

[Iowa State University](http://www.iastate.edu) is classified as a Carnegie Foundation Doctoral/Research University-Extensive and is ranked by U.S. News and World Report as one of the top public universities in the nation. More than 30,000 students are enrolled and are served by over 6,200 faculty and staff. The College of Engineering consists of eight departments with annual research expenditures exceeding \$105 million.

Iowa State University is located in Ames, IA, a progressive community of 66,000, located approximately 30 minutes north of Des Moines, one of the fastest-growing metro areas in the Midwest, and is beaming with community pride and accolades.

Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. Diversity in experience and perspective is vital to advancing innovation, critical thinking, solving complex problems, and building an inclusive academic community. At Iowa State, we translate these values into action by seeking individuals who have experience working with diverse students, colleagues, and constituents. The university expects that all employees will demonstrate a contribution to diversity and inclusion as embodied in [Iowa State University's Principles of Community](#).

Iowa State University and the College of Engineering are responsive to the needs of dual-career couples and are dedicated to work-life balance through an array of flexible work policies.

Application Instructions:

Applications will be accepted until the position is filled. However, to receive full consideration, applications should be received by Thursday, September 1, 2022. All interested, qualified persons must apply for this position online at jobs.iastate.edu to Job Requisition Number R8903.

The following documents are required to be submitted in **PDF** format:

- 1) Letter of application (including information about desired rank) that briefly discusses how the candidate meets each of the preferred qualifications
- 2) Curriculum Vitae
- 3) Contact information for at least three references, including name, mailing address, email address, phone number, and other pertinent information
- 4) Other Required Documents (maximum of one page each) ***combined into one PDF***:
 - Teaching statement
 - Research statement
 - Statement of experiences promoting diversity and inclusion, which could include advocacy, support, study, and experience with individuals and issues outside the candidate's personal background. See <https://www.diversity.iastate.edu/> for examples and expectations.

Direct questions to cceesearch@iastate.edu or call 515-294-1676.