

IOWA STATE UNIVERSITY

Civil, Construction, and Environmental Engineering

ASSISTANT, ASSOCIATE, OR FULL PROFESSOR IN GEOTECHNICAL ENGINEERING

Summary of duties and responsibilities

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

Targeted areas of interest include, but are not limited to, sustainability, geo-hazard mitigation, risk assessment/reliability, geo-construction, image analysis, computational geotechnics, and critical infrastructure systems.

The successful candidate will establish and sustain an externally funded research program and complement the current research and education efforts in the CCEE Department through 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. For more information about our department's engineering program, see www.ccee.iastate.edu.

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.
- Associate Professor candidates must meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate's area of expertise.
- Full Professor candidates are required to have national distinction, international recognition, and a substantial scholarly record in addition to the aforementioned requirements.

Preferred qualifications

- Agenda of teaching that contributes to the department's degree programs.
- Agenda of 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 information

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 \$22 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. InTrans's faculty, researchers, and outreach professionals perform research, technology transfer, and education for public and private organizations, manage

an academic-enrichment program for graduate students, provide local, regional, and national outreach and continuing education services, and deliver regional and national conferences.

University information

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), 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.

Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. We know that 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 has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in Iowa State University's Principles of Community.

Iowa State University is an equal opportunity/affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Iowa State University provides reasonable accommodations to applicants and employees with disabilities.

All employees are expected to exhibit and convey good citizenship within the program, the department, college, university activities, collegial interactions, and maintain the highest standards of integrity and ethical behavior.

Application Instructions

Review of applications will begin on December 14, 2020; the position will close to applicants at the end of the day on January 4, 2021. All interested, qualified persons must apply for this position online at jobs.iastate.edu.

The following documents must 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) Other documents:
 - a. one-page teaching statement that provides evidence of an ability to teach courses in the civil and environmental engineering programs (see <https://www.ccee.iastate.edu/current-students/undergraduate-program/degree-requirements/>)
 - b. one-page research statement
 - c. one-page 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
- 4) Contact information for at least three references, including name, mailing address, email address, and phone number, and other pertinent information

The search committee will complete a majority of the search process, candidate reviews, and interviews virtually to ensure the safety of the faculty and staff as well as the candidates. Final candidates will be invited to campus for a mix of face-to-face and virtual meetings. A candidate's preference to proceed virtually will not influence the search committee's hiring decision.

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