

IOWA STATE UNIVERSITY

Department of Civil, Construction and Environmental Engineering

ASSISTANT, ASSOCIATE, OR FULL PROFESSOR in STRUCTURAL ENGINEERING

The Civil, Construction and Environmental Engineering (CCEE) Department in the College of Engineering at Iowa State University (ISU) invites applications for a tenure-track faculty position at the Assistant Professor level in Structural Engineering. Exceptional candidates with commensurate experience and proven track record will be considered for Associate and Full Professor ranks.

This position is open to all core areas in structural engineering that can promote innovative and emerging research, including but not limited to advanced manufacturing techniques, innovative use of emerging materials, and development of next generation of structural systems. Complementary areas of research may include large-scale testing, computational modeling, structural mechanics, structural design or fluid-structure interaction.

The successful candidate will establish, sustain, and grow a world-class externally funded research program that complements or aligns with the current research and education efforts in the CCEE Department through both independent and collaborative work. Additionally, the candidate is expected to establish a record of scholarship at the highest levels, contribute to the teaching of courses at the undergraduate and graduate levels, and engage in institutional service and service to the structural engineering profession. Candidates should have strong communication skills, share our commitment to enhancing excellence through equity, diversity and inclusion, and support the mission of the department, college, and university.

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, and university activities, collegial interactions, and maintain the highest standards of integrity and ethical behavior.

Minimum Required Qualifications:

- Ph.D. in structural engineering, civil engineering with an emphasis in structural 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 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 and graduate level structural engineering design 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.

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.

Research collaboration opportunities are encouraged through Iowa State's Institute for Transportation (InTrans), (www.intrans.iastate.edu), Center for Nondestructive Evaluation (www.cnde.iastate.edu), Bioeconomy Institute (www.biorenew.iastate.edu), Virtual Reality Applications Center (<http://www.vrac.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

[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 has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in [Iowa State University's Principles of Community](http://www.iastate.edu/diversity).

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 R8894.

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.