

# IOWA STATE UNIVERSITY

Department of Civil, Construction and Environmental Engineering

## **ASSISTANT, ASSOCIATE, OR FULL PROFESSOR IN CONSTRUCTION ENGINEERING**

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

Broad areas of interest include, but are not limited to, building construction topics such as (1) smart and sustainable buildings and (2) safety in building design and construction. This may include BIM, 3D modeling, connected buildings, building energy efficiencies, automation, construction efficiency, and/or geo-construction.

### **Minimum Required Qualifications:**

- Ph.D. in civil engineering, construction engineering, or a closely related field. The Ph.D. must be conferred by the employment start date.
- Associate Professor candidates must also 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:**

- Evidence of collaboration and leadership in research and education.
- Ability to teach graduate and undergraduate courses in Construction Engineering (Con E).
- Record of publication in related technical areas.
- Professional experience in a related field.
- Professional engineering license or the ability to become licensed.
- Evidence of strong communication skills.
- Evidence of a commitment to inclusivity and diversity.

Successful candidates will be expected to 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 missions at the undergraduate and graduate levels, and engage in institutional service as well as service to the profession. Candidates should have strong communication skills, share our commitment to enhancing excellence through equity, diversity and inclusion, and exhibit the potential for long term leadership in supporting the mission of the department, college, and university.

CCEE is committed to diversity among faculty, staff and students who can enrich University objectives in the areas of research, teaching, and service. The 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 department, college and university activities, interact collegially and maintain the highest standards of integrity and ethical behavior.

### **Department/Program Description**

Construction Engineering at Iowa State University is an ABET accredited program and a national leader in construction education. The Con E program has strong industry and academic support. The CCEE Department offers B.S. degree programs in construction engineering, civil engineering, civil engineering with environmental emphasis, and environmental engineering plus M.S., M.Eng., and Ph.D. graduate degree programs in civil engineering. Civil

Engineering, Construction Engineering and the new Environmental Engineering undergraduate programs have approximately 550, 300, and 75 students respectively. Our graduate program has approximately 120 students.

CCEE houses several programs to support research including the newly established Peterson Endowment for the advancement of geo-construction and the Construction Management and Technology Program at the Institute for Transportation, among others. CCEE maintains externally funded research of approximately \$18 million annually. Research collaboration opportunities are encouraged through Iowa State's Institute for Transportation (InTrans), ([www.intrans.iastate.edu](http://www.intrans.iastate.edu)), Center for Nondestructive Evaluation ([www.cnde.iastate.edu](http://www.cnde.iastate.edu)), Bioeconomy Institute ([www.biorenew.iastate.edu](http://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](http://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, a member of the Association of American Universities (AAU), and 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](http://www.iastate.edu/principles).

All offers of employment, oral and written, are contingent upon the university's verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check and/or a consumer credit check.

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. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email [eooffice@iastate.edu](mailto:eooffice@iastate.edu).

If you have questions about the application process please email [employment@iastate.edu](mailto:employment@iastate.edu) or call [515-294-4800](tel:515-294-4800) or Toll-Free at [1-877-477-7485](tel:1-877-477-7485). Iowa State University provides reasonable accommodations to applicants and employees with disabilities. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should email [employment@iastate.edu](mailto:employment@iastate.edu) or call [\(515\) 294-4800](tel:515-294-4800) or Toll-Free: [\(877\) 477-7485](tel:877-477-7485). TTY users are welcome to use the Iowa Relay Service number by dialing 7-1-1 or [\(800\) 735-2942](tel:800-735-2942).

General ISU compensation information can be found here: <https://www.hr.iastate.edu/careers/compensation>.

### **Application Instructions**

Applications will be accepted until the position is filled with review of applications starting on Tuesday, October 19, 2021. All interested, qualified persons must apply for this position online at [jobs.iastate.edu](http://jobs.iastate.edu) to Job Requisition Number R6297.

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

- 1) Letter of Application that includes
  - a. Briefly discuss how you meet each of the preferred qualifications
  - b. Information about desired rank
  - c. Brief Summary describing the impacts that COVID-19 has had on your work conditions, productivity, and career progress
- 2) Curriculum Vitae or Resume
- 3) Contact information for at least three references, including name, mailing address, email address, and phone number, and other pertinent information
- 4) Other Documents (**combined into one PDF**):
  - a. maximum of one-page statement explaining your research area and funding opportunities that you will seek in this position
  - b. maximum of one-page statement explaining your approach to teaching, courses in our curriculum that you can teach, and applicable experience related to the content in Con E undergraduate and graduate courses
  - c. maximum of one-page statement of equity, diversity, and inclusion activities which could include advocacy, support, study, and experience with individuals and challenges

The search committee will complete a majority of the search process, candidate review, and interviewing virtually to ensure the safety of our faculty, staff, and candidates. Final candidates will be invited to campus for a mix of face to face and virtual meetings.

Direct questions to [cceesearch@iastate.edu](mailto:cceesearch@iastate.edu), or call 515-294-1676.