

Assistant/Associate/Full Professor - Mechanical
Engineering
Iowa State University

Direct Link: <https://www.AcademicKeys.com/r?job=244346>

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Posted Sep. 5, 2024, set to expire Jan. 5, 2025

Job Title Assistant/Associate/Full Professor - Mechanical
Engineering

Department Department of Mechanical Engineering

Institution Iowa State University
Ames , Iowa

Date Posted Sep. 5, 2024

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Assistant Professor
Associate Professor
Professor

Academic Field(s) Mechanical Engineering

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Apply By Email

Job Description

Assistant/Associate/Full Professor - Mechanical Engineering

Appointment Type:Faculty

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Job Description:

Summary of Duties and Responsibilities:

The Department of Mechanical Engineering at Iowa State University invites candidates for a tenure-track or tenured faculty position at the Assistant, Associate, or Full Professor rank for the Fall 2025 semester.

Priority consideration will be given to exceptional candidates in areas related to:

- Clean energy. This includes areas such as clean energy production and energy storage, and cyberphysical systems, AI and ML for energy production and storage,
- Scientific machine learning. This includes areas such as computational material science, multiphysics and multiscale computing, quantum material systems, multiphase flow modeling, and cyberphysical systems.

Exceptional candidates with commensurate experience and proven track record will be considered for the Associate Professor or Full Professor rank.

Successful candidates will be expected to establish, sustain and grow a world-class research program that complements or aligns efforts, establish a record of scholarship at the highest levels, contribute to the teaching missions at the undergraduate and graduate levels, engage in service to the institution and the profession. Candidate should have strong communication skills and exhibit potential for long-term leadership supporting the mission of the department, college and university.

Required Qualifications

- Ph.D. or equivalent degree in mechanical engineering or a closely aligned field.
- 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, and the potential for international distinction.
- Full Professor candidates are required to have national distinction, international recognition, and a substantial scholarly record in their area of expertise in addition to the aforementioned requirements.

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Preferred Qualifications

- A record of scholarship, mentoring and leadership achievements commensurate with such appointments at a University level.
- Experience in teaching undergraduate and/or graduate courses in mechanical engineering or closely aligned fields.
- Significant professional experience in the practice of mechanical engineering or a closely aligned field.

Department/Program & College Description

The Department of Mechanical Engineering is nationally recognized for its interdisciplinary research and educational programs. Collaborative research is highly emphasized by the department and facilitated by on-campus research enterprises such as the Bioeconomy Institute, the Ames National Laboratory of the U.S. Department of Energy, Agricultural Research Service of the U.S. Department of Agriculture (USDA-ARS), the Center for Non-Destructive Evaluation, and the Virtual Reality Applications Center.

Department Website:<https://www.me.iastate.edu/>

Proposed Start Date:August 16, 2025

Number of Months Employed Per Year:09 Month Work Period

Time Type:Full time

Application Instructions:

Please apply online at https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Assistant-Associate-Full-Professor---Mechanical-Engineering_R15433

Applications will be accepted until the position is filled. However, to receive full consideration, applications should be received by *Sunday, October 6, 2024*. All interested, qualified persons must apply for this position online at jobs.iastate.edu to Job Requisition Number *R15433*.

Please be prepared to attach the following documents to the application:

- 1.

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Letter of application (including information about the 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 documents:
 - One-page teaching statement
 - One-page research statement

For questions about this position, please contact Dr. Xianglan Bai at bx19801@iastate.edu

Why Choose ISU?

Iowa State Faculty enjoy comprehensive health and work-life benefits, including medical and dental; as well as:

- Retirement benefits, including defined benefit and defined contribution plans
- Generous leave plans
- Onsite childcare (Ames, Iowa)
- Life insurance and long-term disability
- Flexible Spending Accounts
-

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Various voluntary benefits and discounts

- Employee Assistance Program
- Wellbeing program

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About Us

By focusing on the future and providing the best student experience possible, Iowa State attracts students and faculty who want to make a difference. With a comprehensive land-grant mission of education, research, extension and outreach, we produce scholars whose ideas change the world. And through *Innovate at Iowa State*, we provide innovative and entrepreneurial opportunities for students of all backgrounds. Located just 30 minutes north of Des Moines, the city of Ames was recently named one of the Top 10 cities in the U.S. for campus life and career opportunities.

Iowa State University is a welcoming, global, and culturally diverse community of students, faculty, and staff. Campus community members have a wide range of backgrounds and experiences and are committed to engaging with each other respectfully as outlined in the university's [Principles of Community](#). Iowa State recognizes that diverse intellectual and philosophical perspectives are vital to innovation, critical thinking skills, and a dynamic academic community that fosters the land-grant ideals of putting science, technology, and human creativity to work.

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.



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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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