

# IOWA STATE UNIVERSITY

## OF SCIENCE AND TECHNOLOGY

### Department of Aerospace Engineering

**TENURED OR TENURE-TRACK FACULTY POSITION:** The Department of Aerospace Engineering at Iowa State University ([www.aere.iastate.edu](http://www.aere.iastate.edu)) invites applicants for multiple tenure-track faculty positions at the Assistant and Associate Professor level, however, exceptional candidates at the rank of Full Professor may also be considered. We seek outstanding individuals with strong research interest in two broad areas: (1) *Composite and Multifunctional Material Systems*. Research areas of interest include, but are not limited to design; failure prediction; fabrication; damage/defect detection; static/dynamic testing; and/or structural life cycle analysis and (2) *Intelligent Systems and Autonomy*. Research areas of interest include, but are not limited to software challenges in aerospace; remote sensing/intelligent sensor fusion; formal methods; autonomous control; automated crop monitoring; and classical areas of guidance, navigation, and control of both manned and unmanned vehicles in both air and space. Outstanding candidates at the rank of Full Professor whose research interest is outside the two broad areas listed above and candidates who can enhance the diversity of the department may also apply; candidates who can bring leadership and stature to the department and has the potential to greatly expand our research base will be given preference.

The successful applicant will participate in all aspects of the department's mission, including developing a strong externally funded research program, teaching and supervising students at the undergraduate and graduate levels and participation in service to the university. The department strongly emphasizes collaborative research and hence the successful candidates are expected to work in multi-disciplinary teams with other active research programs in the university, both within and outside the college of engineering, while taking advantage of the on-campus research centers and laboratories such as Virtual Reality and Applications Center (VRAC, [www.vrac.iastate.edu](http://www.vrac.iastate.edu)), Center for Nondestructive Evaluation ([www.cnde.iastate.edu](http://www.cnde.iastate.edu)), Ames Laboratory ([www.ameslab.gov](http://www.ameslab.gov)) and Wind Energy Manufacturing Laboratory ([www.ie.imse.iastate.edu/WEML](http://www.ie.imse.iastate.edu/WEML)).

An earned Ph.D. or equivalent terminal degree in Aerospace Engineering or a closely related field is required at the start date of employment. Underrepresented minorities and women are strongly encouraged to apply. Candidates at the level of Associate or Full Professor must demonstrate a strong record as evidenced by a quality research program, publications, professional recognitions, and scholarly impact. Candidates are required to have credentials commensurate with teaching undergraduate and graduate classes in engineering.

Iowa State University 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. Over 36,000 students are enrolled, and served by over 6,200 faculty and staff (see [www.iastate.edu](http://www.iastate.edu)). Ames, Iowa is a progressive community of 60,000, located approximately 30 minutes north of Des Moines, and recently voted the best college town in the nation (see [www.visitames.com](http://www.visitames.com)<<http://www.visitames.com>>).

The Aerospace Engineering Department currently has 39 faculty and is housed in a \$50 million state-of-the-art teaching and research complex. The College of Engineering consists of 8 departments, with 250+ faculty members and annual research expenditures exceeding \$88 million.

All interested, qualified persons should apply for this position online by visiting [www.iastatejobs.com](http://www.iastatejobs.com). For the Composite and Multifunctional Material Systems position please refer to posting # 600140 and for the Intelligent Systems and Autonomy position please refer to posting # 600141 while clearly stating in the cover letter the specialty research area you are applying for. Please be prepared to enter or attach the following:

1. Cover Letter
2. A detailed Curriculum Vitae
3. Full contact information for at least three references
4. A concise statement of research plans and teaching interests

Interested candidates are encouraged to apply early. To ensure full consideration, applications must be received by November 1, 2016. Review of applications after this date will continue until the position is filled. 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.

If you have questions regarding this application process, please email [employment@iastate.edu](mailto:employment@iastate.edu) or call 515-294-4800 or Toll Free: 1-877-477-7485.

*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 Director of Equal Opportunity, 3350 Beardshear Hall, (515) 294-7612.*