

## **Faculty Position Available Unmanned Systems for Precision Meteorology**

Department of Mechanical Engineering  
University of Kentucky

The Department of Mechanical Engineering at the University of Kentucky (<http://www.engr.uky.edu/me/>) seeks candidates for a tenure-track faculty position at the assistant professor level. Exceptional candidates at the associate professor level or higher will also be considered. This faculty search is focused on identifying highly qualified candidates with demonstrated expertise complementing existing research programs that couple **unmanned systems with precision meteorology**, including, but not limited to, expertise in computational or theoretical modeling of weather and atmospheric transport processes, sensor development and remote sensing, and development and use of unmanned systems. Exceptional candidates in areas that contribute to other departmental strengths will also be considered.

Mechanical Engineering is the largest department in the College of Engineering with 35 tenured and tenure-track faculty members, over 1,000 undergraduate students, and over 120 graduate students. The college has state-of-the-art computational facilities, research labs, and classrooms. The department's faculty is engaged in federally funded research projects from agencies such as NSF, NIH, NASA, DOE, DOD, DARPA, NIST, and USDA. In addition, the department houses the NASA Kentucky Space Grant and EPSCoR programs and has research centers and consortiums that collaborate extensively with industry. The department's externally funded research currently averages over \$8M/year in new awards.

This faculty search is part of the department's strategic hiring plan, which is adding new tenure-track faculty positions in the areas of aerospace engineering, autonomy and robotics, bioengineering, energy, and manufacturing. While this search is targeted at research areas that complement unmanned systems and precision meteorology, candidates that can further enhance the department's collaborative environment by bridging multiple focus areas are especially encouraged to apply. Candidates must have a strong record of academic scholarship and high potential for excellence in building an externally funded research program, conducting high-impact research, advising graduate students, teaching undergraduate and graduate courses, and providing service to the department, professional organizations, and the community. Candidates must have a Ph.D. in Mechanical or Aerospace Engineering or a closely related discipline.

The city of Lexington is ranked #3 Best City to Raise a Family, #21 Best Places to Live in America, and #31 Most Educated Cities in America. Located in the heart of the Bluegrass Region, Lexington is known as the "Horse Capital of the World".

Applicants should submit a cover letter, curriculum vitae, statement of research (3-page limit), statement on teaching (2-page limit), and contact information for five references. Please apply for this position at <http://ukjobs.uky.edu/postings/251223>. Requests for further information regarding application procedures may be directed to Troy Howell: (859) 218-0650, [troy.howell@uky.edu](mailto:troy.howell@uky.edu). Review of applications will begin on December 6, 2019 and will continue until the position is filled. The desired starting date for this position is August 1, 2020.

The University of Kentucky is an Equal Opportunity University that values diversity and inclusion. Minorities, veterans, women, individuals with disabilities, and members of other underrepresented groups are strongly encouraged to apply.

