



### **Faculty Position in Compressible Flow and Hypersonics**

The Department of Mechanical and Aerospace Engineering at the University of Kentucky (<https://www.engr.uky.edu/mae>) announces a tenure-track faculty position at the assistant professor level in computational or experimental compressible flow and hypersonics. We seek qualified candidates that will complement departmental strengths in computational aerothermodynamics and experimental turbulence. This includes candidates with expertise in high-speed computational fluid dynamics, transitional and turbulent flow modeling and analysis, uncertainty quantification, or high-enthalpy flow experiments. The successful candidate will possess a strong record of research accomplishments and the capability to develop a nationally recognized research program.

The Department of Mechanical and Aerospace Engineering is the largest in the Stanley and Karen Pigman College of Engineering with 34 tenured and tenure-track faculty members, over 1,000 undergraduate students, and over 120 graduate students. The Department offers undergraduate and graduate degrees in mechanical engineering, manufacturing systems engineering, and aerospace engineering. The Department is engaged in federally funded research projects from agencies such as NSF, NIH, NASA, DOE, DOD, DARPA, FAA, NIST, and USDA. The University of Kentucky is also an active member of the University Consortium of Applied Hypersonics (UCAH). 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 \$11M/year in new awards.

This faculty search is part of the Department's plan to expand in the strategic focus areas of aerospace; energy; autonomy, robotics, and controls; bioengineering; and manufacturing. 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.

The city of Lexington is ranked #3 Best City to Raise a Family, #21 Best Places to Live in America, and #31 Most Educated City in America. The University of Kentucky is the flagship university for the Commonwealth and is one of only eight universities in the United States that house colleges of agriculture, law, business, engineering, medicine, and pharmacy on a single campus. Employment at UK comes with diverse benefits, focusing on your total well-being and career development, with leadership striving to provide a strong work-life integration. To learn more about these benefits, please visit: <https://www.uky.edu/hr/benefits>.

To apply, please visit the UK Jobs site at: <https://ukjobs.uky.edu/postings/486983>. Applicants should submit a cover letter, full curriculum vitae, research statement (3-page limit), teaching statement (2-page limit), diversity equity and inclusion statement (1-page limit), and contact information for 5 professional references. The teaching statement should specifically address undergraduate and graduate teaching interests in mechanical and aerospace engineering. The application deadline is December 1, 2023. However, review of applications will begin immediately. The desired starting date for this position is August 1, 2024. Requests for further information regarding application procedures may be directed to Mr. Troy Howell (Senior Business Officer) at (859) 218-0650 or [troy.howell@uky.edu](mailto:troy.howell@uky.edu). Questions for the chair of the search committee can be directed to Dr. Sean Bailey, Professor of Mechanical and Aerospace Engineering, at [sean.bailey@uky.edu](mailto:sean.bailey@uky.edu).

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.