



FACULTY POSITION AVAILABLE

DEPARTMENT OF AEROSPACE ENGINEERING
UNIVERSITY OF MARYLAND, COLLEGE PARK

The Department of Aerospace Engineering at the University of Maryland, College Park (www.aero.umd.edu) is seeking exceptional candidates with demonstrated technical expertise, creativity and leadership in the arts and sciences of vertical lift / rotary-wing aircraft across a broad range of disciplines covering both conventional and future configurations. The disciplines of particular interest are, but not limited to: flight dynamics and controls, all-electric and hybrid-electric propulsion, computational and experimental aeromechanics, autonomy of unmanned aircraft systems, robotic rotorcraft for planetary exploration, advanced air-space concepts including emerging use cases such as urban and on-demand air mobility, and advanced integrated design. The term aeromechanics includes aerodynamics, structural dynamics, handling qualities, and acoustics. Exceptional applicants working in other areas of experimental aerodynamics or flight dynamics and controls who are interested in rotorcraft research will also be considered. The candidate will be a member of the Alfred Gessow Rotorcraft Center and will be expected to create multidisciplinary research programs that take advantage of unique campus and Alfred Gessow Rotorcraft Center facilities, such as the historic 8- by 11-ft 200 knot Glenn L Martin wind-tunnel (<https://windtunnel.umd.edu>), 20- by 20-ft anechoic chamber, Mach-scale rotor rigs, 1000-core HPC clusters, and UAS flight test facility (<https://uas-test.umd.edu>), as well as the E.A. Fernandez IDEA factory. They are expected to create undergraduate and graduate-level classes that train rotorcraft students in the core disciplines as well as introduce them to emerging areas.

The Dept. of Aerospace Engineering (AE) is a dynamic and growing department with 22 faculty, six named faculty professorships and annual research expenditures of approximately \$16M. The department has strong research and instructional programs in several core areas, including: aerodynamics and propulsion, smart and composite structures, space systems, rotorcraft, autonomous vehicle systems, and hypersonic vehicle systems. Close proximity to key elements of the federal research and development infrastructure can lead to substantial opportunities for collaborative research in problems of national interest and importance.

For best consideration, a cover letter, curriculum vitae, research and education plan, and the names of at least four references should be submitted online by March 1, 2022:

jobs.umd.edu

Information on the Department is available at the following website: www.aero.umd.edu

The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, or political affiliation. Women and all historically underrepresented minorities are strongly encouraged to apply.