Experimental Fluid Mechanics Assistant/Associate Professor
Virginia Tech

Job Title	Experimental Fluid Mechanics Assistant/Associate Professor
Department	The Department of Mechanical Engineering http://me.vt.edu
Institution	Virginia Tech Blacksburg, Virginia
Date Posted	Sep. 18, 2025
Application Deadline	Open until filled
Position Start Date	Aug. 10, 2026
Job Categories	Associate Professor Assistant Professor
Academic Field(s)	Mechanical Engineering Engineering Mechanics
Apply Online Here	https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcareers.pageuppeople.com%2Fjob%2F534165%2Ffaculty-position-in-experimental-fluid-mechanics&data=05%7C02%7Chanad%40vt.edu%7Ca2271db345734e62738b08ddf614f0c1%
Apply By Email	
Job Description	

The Department of Mechanical Engineering at Virginia Tech seeks applications for a tenure-track faculty position (assistant/associate) in the area of advanced experimental techniques in fluid

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mechanics, effective August 2026. We seek candidates with experience in a broad range of fundamental and applied studies. Areas of specific interest are, but not limited to, laser diagnostic techniques and other imaging techniques for measuring flow field details such as velocity, structure, species, and temperature. Candidates with expertise in creative measurement techniques for unique applications that may arise with collaborators across the department and college are encouraged to apply. The successful candidate will collaborate with our current theoretical and computational faculty across a broad range of research areas. We are interested in an experimentalist who can develop large datasets in support of emerging artificial intelligence and machine learning driven advances in fluid dynamics. We seek candidates motivated to contribute to a large collegial, interdisciplinary, and thriving Mechanical Engineering Department with a strong tradition of fundamental and applied research.

The Mechanical Engineering Department currently has 74 faculty members and is home to over 1,400 undergraduate and 300 graduate students. Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of*Ut Prosim* (that I may serve), Virginia Tech is dedicated to serving in the spirit of community and excellence. Virginia Tech actively seeks candidates to join our community in preparing leaders for the world. In the U.S. News & World Report's 2025 Best Colleges report, the College of Engineering's undergraduate program ranks 13th and the graduate program ranks 31st among all U.S. engineering schools while the Mechanical Engineering Department's undergraduate program is ranked 13th and graduate program is ranked 22nd. The Mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders.

The successful candidate will have a PhD in mechanical engineering or a closely related field, a strong record of academic accomplishments, a proven ability to work collaboratively, a commitment to interdisciplinary research and instruction, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges.

Applicants must apply online at jobs.vt.edu (posting number 534165). Application materials include a cover letter, CV, up to three relevant research publications, and contact information for at least three professional references. Applicants must also provide a research statement and a statement of teaching philosophy. Each of the statements can be up to 3 pages in length. Review of applications will begin on November 3, 2025, and continue until the position is filled. Questions regarding the position should be directed to Dr. Jonathan Boreyko (boreyko@vt.edu, 540-231-0469) with cc: to Ms. Hana Dammak, Program Support Technician (hanad@vt.edu, 540-231-9918).

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EEO/AA Policy

Virginia Tech's main campus is located in Blacksburg, VA, in an area consistently ranked among the country's best places to live. In addition, our program in the Washington, D.C., area offers unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting Innovation Campus in Alexandria, VA.

Virginia Tech endorses and encourages participation in professional development opportunities and university shared governance. These valuable contributions to university shared governance provide important representation and perspective, along with opportunities for unique and impactful professional development.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact the Human Resources Services Center at hrservicecenter@vt.edu or at (540) 231-9331.

Contact Information

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

Contact Jonathan Boreyko
The Department of Mechanical Engineering
Virginia Tech
445 Goodwin Hall
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