



SCHOOL of ENGINEERING  
& APPLIED SCIENCE

Department of Materials Science  
and Engineering

### **Faculty Position with a Focus on Additive Manufacturing**

The Department of Materials Science and Engineering at the University of Virginia seeks candidates for a tenure-track (assistant or associate) faculty position to further investigations in metal and ceramic additive manufacturing (AM) technologies. These technologies are already influencing a broad range of sectors, including aerospace, defense, and biomedical. At the same time, there are challenges related to process monitoring & control, integrated computational materials engineering (ICME) design, as well as certification and life prediction of AM components. Candidates who specialize in experimental, computational, theoretical or a combination of approaches are welcomed.

Advancing additive manufacturing technology is an area of growing excitement for UVA Engineering, as we focus our efforts where engineering can truly make a difference: engineering for medicine, engineering for the cyber future, and engineering technologies for a sustainable and connected world. Our current strengths include far-from-equilibrium processing (laser, e-beam, etc.), materials degradation (corrosion, oxidation, cracking, etc.), cyber-physical systems, and orthopedic implants. It is also noted that UVA is a charter member of the Commonwealth Center for Advanced Manufacturing (CCAM), along with key industry partners Airbus, Arconic/Alcoa, Rolls-Royce Aerospace, and Siemens. CCAM has a focus on AM technology development.

UVA Engineering's mission is to make the world a better place by creating and disseminating knowledge and by preparing engineering leaders to solve global challenges, and the school is a vital part of one of the premier universities in the country. Located about two hours from the nation's capital, UVA is in Charlottesville, Va., a picturesque, unique city consistently ranked among the best places to live in the United States. UVA Engineering is a driver of the University's success, with significant growth in research, diversity and educational innovation.

The successful candidate will possess a doctoral degree in MSE or a closely related field and possess a strong commitment to excellence in teaching at the undergraduate and graduate levels. The new faculty member will demonstrate the desire to develop a world-class, sponsored-research program centered on the mentoring of graduate students. She/he will perform service in support of the professional discipline, outreach, and academic self-governance. Opportunities exist to collaborate across the UVA schools of engineering and

medicine and the University at large, including a joint appointment in the department of Mechanical and Aerospace Engineering or other collaborating department.

To apply, visit <https://jobs.virginia.edu> and search for Posting Number 0621745. Complete a Candidate Profile online, attach a cover letter stating your interest in the position along with research and teaching interests, contact information for three references, and a CV. The position will remain open until filled. For additional information about the position, please contact Sean Agnew, [agnew@virginia.edu](mailto:agnew@virginia.edu). For additional information about the application process, please contact Jeannie Reese, [jsv7u@virginia.edu](mailto:jsv7u@virginia.edu).

With one of the highest graduation rates of minority undergraduate students and percentages of women engineering students among public universities, UVA is fundamentally committed to increasing the diversity of its faculty and staff. The University is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission.

*The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.*