



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 invites applicants with expertise in additive manufacturing with metallic materials for a tenured/tenure-track open rank faculty position (Assistant, Associate, or Full Professor). The additive manufacturing (AM) 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 and control, integrated computational materials engineering 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 strength at UVA Engineering, which builds upon the established expertise in 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.

The successful candidate will possess a doctoral degree in MSE or a closely related field and have 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. They 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 0624219. 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.

Review of applications will begin on January 10, 2019 and the position will remain open until filled.

For additional information about the position, please contact Leonid Zhigilei at [lz2n@virginia.edu](mailto:lz2n@virginia.edu).

For additional information about the application process, please contact Savanna Galambos at [skh7b@virginia.edu](mailto:skh7b@virginia.edu).

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <http://provost.virginia.edu/dual-career>.

For more information about UVA and the surrounding area, please visit <http://uvacharge.virginia.edu/guide.html>.

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.