



**SCHOOL of ENGINEERING
& APPLIED SCIENCE**

Department of Materials Science
and Engineering

Faculty Position in Materials Science and Engineering with a Focus on Materials in Harsh Environments

The Department of Materials Science and Engineering at the University of Virginia solicits outstanding applicants for a tenure track faculty position at any rank with a research focus on materials behavior in harsh environments. Harsh environments are broadly defined and can include, but are not limited to, high temperature conditions, chemically aggressive environments, or high levels of ionizing radiation. The research can be focused on any materials class(es), functionalities, or technology platforms which demand that materials operate in such environments. The research could utilize these environments as motivation for materials development to improve sustainability.

The successful applicant will develop an internationally recognized research program, engage enthusiastically and effectively in undergraduate and graduate teaching, and perform service in support of outreach and academic self-governance. Opportunities exist to (i) develop independent research, (ii) explore interdisciplinary collaborations with existing faculty, and (iii) initiate new research initiatives. Candidates who specialize in experimental, computational, theoretical or combinations of approaches are sought. We are especially interested in candidates who seek to address the materials behavior in these environments through a materials science approach, understanding the equilibrium and kinetics processes that govern the structure/processing/property/performance paradigm for materials performance in harsh environments.

The successful candidate will possess a strong commitment to excellence in teaching at the undergraduate and graduate levels in materials science and engineering and will demonstrate the desire to develop a world-class, sponsored-research program centered on development of successful MS and PhD students. The successful candidate will enhance departmental strengths through research collaborations, while also contributing broadly across disciplines in the School of Engineering and Applied Science, and the University at large. We seek a candidate with a demonstrated commitment to inclusive excellence. The successful candidate will have a doctoral degree in either materials science and engineering or a closely related field.

The University of Virginia is annually ranked as one of the premier public institutions in the United States and is located in Charlottesville, a picturesque small but cosmopolitan city perennially recognized as one of the best places to live in the U.S.

Application Instructions

To apply for this position follow <http://apply.interfolio.com/130906> and attach a cover letter, a statement describing your current research projects, future directions, and broader impacts; a statement describing your teaching practices designed to create a residential learning environment marked by the free and collegial exchange of ideas; a statement describing demonstrated

contributions to fostering inclusive practices that create climates in which all stakeholders can achieve their maximum potential, please focus on skills and experiences, not personal beliefs and opinions; an academic CV, and contact information for three to five professional references. Applications that do not contain all the required documents will not be considered. For additional information about the position, or to nominate a candidate, please contact Beth Opila, ejo4n@virginia.edu. In the case of nominations, please include the nominee's contact information and know the search will be carried out with full confidentiality. For additional information about the application process, please contact Jeannie Reese, jsv7u@virginia.edu.

In addition to this position, senior graduate students are eligible and encouraged to consider the UVA Engineering Rising Scholars program. This program is designed to encourage early-career scholars to pursue a career in academia by supporting their postdoctoral work before beginning in a tenure-track position at the University of Virginia. Detailed information and application instructions are available at <https://engineering.virginia.edu/rising-scholars-postdoctoral-program>.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.