

A postdoctoral research associate position is available in [Prof. Baoxing Xu's group](#) in the Department of Mechanical and Aerospace Engineering at the University of Virginia.

The successful candidate will work on a project on atomistic modeling and simulations of nanomechanics and thermal transport of materials and functional structures and their coupling with applications in the design and manufacturing of electronic devices and structures, and will also be asked to write reports and technical papers.

**QUALIFICATION REQUIREMENTS:** A Ph.D. degree in engineering, including but not limited to, mechanical engineering, engineering mechanics, materials science, and thermal science is required by the start date. Candidates must also have a strong background in atomistic simulations and modeling. Experience in data science and machine learning is a plus. Good writing and communication skills are required.

**APPLICATION PROCEDURE:** Interested applicants should apply online at [https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Research-Associate-in-Mechanical-and-Aerospace-Engineering\\_R0015711](https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Research-Associate-in-Mechanical-and-Aerospace-Engineering_R0015711) by attaching a cover letter, full CV, and names and contact information of three potential referees. **Please note that multiple documents can be uploaded in the box.**

**APPLICATION DEADLINE:** Review of applications will begin July 1, 2020 and continue until the position is filled. The University will perform background checks on all new hires prior to employment.

This is a one-year appointment; however, appointment may be renewed for an additional up to two, one-year increments, contingent upon available funding and satisfactory performance.

US News and World Report constantly ranks UVA among the top 3 public universities in the nation and the top 30 among all universities, public and private. Charlottesville is frequently cited as one of the best cities in which to live and work, with Richmond and Washington DC only 70 and 110 miles away. More information about Charlottesville, UVA, faculty benefits, dual careers, and other topics can be found at the Faculty and Candidate Guide: <http://uvacharge.virginia.edu/guide.html>

For additional information about the position, For questions about the position, please contact Baoxing Xu, Assistant Professor, at [bx4c@virginia.edu](mailto:bx4c@virginia.edu)

For questions about the application process, please contact Rich Haverstrom, Faculty Search Advisor, at [rkh6j@virginia.edu](mailto:rkh6j@virginia.edu) .

For more information on the benefits available to postdoctoral associates at UVA, visit [postdoc.virginia.edu](http://postdoc.virginia.edu) and [hr.virginia.edu/benefits](http://hr.virginia.edu/benefits)

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff.

*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.*