VIRGINIA TECH DEPARTMENT OF PHYSICS
Teaching Faculty Position

The College of Science at Virginia Tech and the Academy of Integrated Science, through its Division of Nanoscience (https://www.ais.science.vt.edu/programs/Nanoscience.html), are placing strong emphasis on teaching in the area of nanoscale science and quantum phenomena. As part of this initiative, Virginia Tech has one non-tenure track faculty position in the Department of Physics (www.phys.vt.edu) to start in Fall 2018. The appointment will be at the rank of Collegiate Assistant Professor with an initial 3-year appointment and the possibility of multi-year renewal upon successful review. The successful applicant will have the opportunity to collaborate with faculty across the university on the "Intelligent Infrastructure for Human-Centered Communities" Destination Area; (http://provost.vt.edu/destination-areas.html).

The B.S. in Nanoscience degree (https://www.ais.science.vt.edu/programs/Nanoscience.html) program is a multi-departmental effort including the Departments of Biological Sciences, Chemistry, Geosciences, and Physics and represents an entirely new approach to training scientists, one that develops foundations and skills for rapidly growing fields such as quantum technology, nanomedicine, and multifunctional nanomaterials. The new hire will have opportunities to interact with the Center for Soft Matter and Biological Physics (http://www1.phys.vt.edu/CSMBP/), College of Engineering (www.eng.vt.edu/), Macromolecules Innovations Institute (http://www.mii.vt.edu/), Biocomplexity Institute (www.bi.vt.edu/), and Institute of Critical Technology and Applied Science (www.ictas.vt.edu/).

We seek candidates who are passionate about teaching undergraduate students. Responsibilities include teaching undergraduate courses and laboratories related to nanoscale science, where successful candidates will:

● Make significant contributions to our instruction in nanoscience; coordinate laboratory and in-major courses, work closely with our undergraduate students, and lead efforts in curriculum enhancements and innovative pedagogy;
● Continue to develop professional capabilities and participate in scholarly activities, including travel to and participation in professional conferences and societies; and participate in department, college, and university service and governance, as well as professional service.

Required:
Applicants must have a Ph.D. in physics or a closely related field. Successful candidates will be expected to teach effectively at the undergraduate level and work closely with the existing nanoscience program. Applicants must have a strong background in Physics; demonstrated experience with and commitment to teaching excellence; a desire to advise and teach a student body which is diverse with respect to socio-economic status, interests, and abilities; and commitment/sensitivity to address issues of diversity in the university community.

Preferred:
Desirable characteristics include a record of pedagogical achievement and vision, creativity, and leadership skills relevant to instruction. Preference might be given to candidates with experience in teaching in classroom and/or laboratory environments.

How to apply:
Applications must be submitted online at https://listings.jobs.vt.edu/postings/79792 and should include a cover letter, curriculum vitae with the official PhD transcript attached, a statement of teaching philosophy that describes an integrated vision for nanoscience education, and contact information for three references. The review of applications will begin on December 30, 2017 and continue until the position is filled. As part of the hiring process, the successful applicant must pass a criminal background check. Questions regarding the position can be directed by Email to: search-nano@vt.edu.
Virginia Tech is an EO/AA university, and offers a wide range of networking and development opportunities to women and minorities. Individuals with disabilities desiring accommodation in the application process should notify Ms. Jacqueline Woodyard in the Department of Physics, (Email: woodyaj@vt.edu) Tel: 540-231-7566, or call TTY 1-800-828-1120.