Tenure Track Experimental Nanoscale Science Position, Department of Physics, Virginia Tech

The College of Science at Virginia Tech and the Academy of Integrated Science, through its Division of Nanoscience (www.science.vt.edu/ais/nano), are placing strong emphasis on research in nanoscale science, quantum phenomena, complex materials, and energy through interdisciplinary faculty hires across departments. As part of this initiative, the Department of Physics (www.phys.vt.edu/) is recruiting an experimentalist working on nanoscale science for a tenure-track faculty position, to start in fall of 2017. Appointment at the assistant professor level is anticipated but exceptional senior candidates will be considered. Current departmental strengths in condensed matter physics include molecular/organic electronics, quantum optics and transport, quantum information science, strongly correlated systems, computational materials science, and statistical and biological physics. Preference will be given to experimentalists who can expand our existing condensed matter efforts in nanoscale physics.

The new hire will have opportunities to interact with the Center for Soft Matter and Biological Physics (www.phys.vt.edu/CSMBP/), College of Engineering (www.eng.vt.edu), Macromolecules Innovations (www.mii.vt.edu), Biocomplexity (www.bi.vt.edu), and Critical Technology and Applied Science (www.ictas.vt.edu) Institutes.

Applicants must have a Ph.D. in physics or a closely related field and postdoctoral experience. Successful candidates will be expected to establish vigorous research programs and teach effectively at the undergraduate and graduate levels and work closely with the existing nanoscience degree program.

Further information can be found at http://www.phys.vt.edu, and questions regarding the position can be directed by email to: search-nano@vt.edu. Applications must be submitted online at http://listings.jobs.vt.edu/postings/69181 and should include a cover letter, curriculum vitae, a research plan (3-5 pages), a statement of teaching philosophy that describes an integrated vision for nanoscience education, and contact information for at least three references (five for senior candidates). The references will be notified by email to upload their letters using the online system. Review of applications will begin on December 1, 2016 and continue until the position is filled. As part of the hiring process, the successful applicant must pass a criminal background check.

Responsibilities
Expectations for this position include: development of a vigorous, well-funded and internationally-recognized research program; effective and enthusiastic instruction in physics and in physics-related courses in the Academy of Integrated Science’s Division of Nanoscience; working with a diverse population of undergraduate and graduate students; occasional travel, for example, to attend professional conferences and present research seminars; continuing development of professional capabilities and scholarly activities; participation in department, academy, college, and university governance; and professional service. The faculty handbook (available at http://www.provost.vt.edu) provides a complete description of faculty responsibilities at Virginia Tech.

Required qualifications:
Applicants must have a strong record of accomplishments and creativity in physics research; experience with and commitment to interdisciplinary research; vision, creativity, and leadership skills; willingness to cross disciplinary boundaries to tackle complex scientific challenges; 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. Applicants must have earned a doctorate in Physics or a closely related field and postdoctoral experience at the time of appointment.
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.