Virginia Tech College of Science
Faculty Position in Computational Science

The College of Science at Virginia Tech (http://science.vt.edu) is expanding its research presence in the interdisciplinary field of Computational Science and Data Analytics. Thus, Virginia Tech has a tenure-track opening in Computational Science and Data Analytics to start Fall 2013 at our Blacksburg, VA Campus. An appointment at the rank of Assistant, Associate or Full Professor will be made in one of the College’s eight departments. The position signifies a continued University commitment to the importance of interdisciplinary science to help solve major societal challenges in energy, the environment and health. The new faculty member will participate in the College of Science’s recently launched Integrated Science Curriculum (www.science.vt.edu/isc), which collectively serves to build strong research and educational partnerships across the sciences, in particular, in a new, interdisciplinary, computational science and data analytics focused program. The appointment will be made within the department that best suits the background and interests of the candidate.

Job requirements include a Ph.D. in a related field. The successful candidate will be expected to establish a distinguished, interdisciplinary research program and to provide effective instruction and advising to a diverse population of undergraduate and graduate students. Senior applicants must have an internationally recognized and well-funded research program with publications in the highest-quality journals. Other responsibilities include: continuing development of professional capabilities and scholarly activities, including travel to professional conferences; curriculum development; participation in department, college, and university governance; and professional service. The faculty handbook (available at http://www.provost.vt.edu) gives a complete description of faculty responsibilities.

Preference will be given to interdisciplinary scientists with a strong background in computational science, modeling, or large-scale data analytics, from any relevant discipline. We seek candidates who advance the state of the art of computational methods and applications, and who will complement existing strengths in the College with areas of research including, but not limited to, mathematical, statistical, and physical modeling and simulation (deterministic or stochastic), complex systems, optimization, stochastics, data analytics, and data mining, physics and cosmology, computational geophysics, uncertainty quantification, or inverse problems.

Further information can be found at www.science.vt.edu. Questions regarding the position can be directed to Prof. Eric de Sturler, Chair of the Computational Science faculty search committee, at sturler@vt.edu. Applications must be submitted online at http://listings.jobs.vt.edu (# TR0122517) and should include a cover letter, curriculum vitae, research plan, statement of teaching philosophy, and a list of references. In addition, applicants should arrange for three letters of recommendation to be submitted directly to the search committee at computational_science_search@scholar.vt.edu with the name of the candidate in the subject line. Review of applications will begin on December 15, 2012 and continue until the position is filled. As part of the hiring process, the successful applicant must pass a criminal background check.

Virginia Tech is an EO/AA university, and offers a wide range of networking and development opportunities to women and minorities in science and engineering. Individuals with disabilities desiring accommodations in the application process should notify Ms. Mikhelle Taylor, College of Science, (540) 231-5422, or call TTY 1-800-828-1120.