Assistant Professor, Ecohydrological Modeling and Informatics

The Department of Forest Resources and Environmental Conservation (FREC) at Virginia Tech is seeking applicants for a 9-month, tenure-track, research and teaching position in Ecohydrological Modeling and Informatics with emphasis in forested landscapes. This position is part of a cluster hire of seven new faculty in water resources across campus. This position will focus on integration and feedbacks among hydrology, ecosystem processes, and human decision-making using modeling and information technology.

Responsibilities:
- Teach undergraduate- and graduate-level course(s) in ecohydrology and informatics for students in natural resources, including those in our new undergraduate environmental informatics major
- Support graduate students and research programs with external funding
- Advise undergraduate students and mentor graduate students
- Actively collaborate with other water resources faculty on campus
- Conduct innovative research in natural and water resources leading to significant peer-reviewed publications
- Participate in department, college, and university service and governance
- Adhere to the responsibilities of the general faculty as described by the Faculty Handbook (http://www.provost.vt.edu).

Required Qualifications:
- Ph.D. with emphasis in ecohydrological modeling/informatics relating to forested ecosystems
- Demonstrated ability to work across disciplines
- A strong commitment for excellence in research and teaching
- Effective communication skills
- Evidence of vision, creativity, and leadership

Preferred Qualifications:
- Background in forest ecosystems
- Interest and experience in one or more of the following:
  - integrating multiple data sources/sensor networks to study large watersheds
  - development and use of dynamic spatial simulation ecohydrological models
  - managing complex environmental data systems and model applications
  - examining how changes in land use, climate, and disturbance affect ecohydrological systems
  - modeling the soil-plant-atmosphere continuum
  - characterizing spatial patterns in evapotranspiration
  - exploring how hydrologic variability affects ecosystem structure
  - combining field and remotely sensed data with numerical modeling tools to address water and energy balances at large spatial scales

Salary: Commensurate with education and experience
Starting Date: Anticipated hire date of August, 2014
Application Procedure: Online application is required.
https://listings.jobs.vt.edu/postings/42787
Requests for confidentiality will be respected.
Review of applications will begin on or about November 1, 2013, and continue until a suitable applicant is selected.

For additional information about this position, please contact:
Dr. Randolph Wynne, Search Committee Chair
Virginia Tech Department of Forest Resources and Environmental Conservation
(540) 231-7811 wynne@vt.edu

Virginia Tech is located in Blacksburg, Virginia, which is situated in the Blue Ridge Mountains. The population of the area is approximately 100,000. The climate is pleasant with four distinct seasons. Numerous recreational opportunities exist in the surrounding area. Blacksburg was recently recognized as one of the “Top 10” places to live in the United States by Outside Magazine. Additional information on Blacksburg can be found at http://www.blacksburg.gov/.

Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates, including women, minorities, and people with disabilities. Individuals with disabilities desiring accommodations in the application process should notify Janaki Alavalapati, Department Head (540-231-5483 Voice/1-800-828-1120 VTRS), by the application deadline.