Tenure-Track Faculty Position: Complex Systems in Transportation
School of Engineering
College of Engineering & Mathematical Sciences
The University of Vermont

The School of Engineering in the University of Vermont College of Engineering and Mathematical Sciences (UVM CEMS) will be seeking a tenure-track faculty member in Complex Systems in Transportation, specifically in Transportation Activity Modeling, for a fall, 2009 start date. This opportunity capitalizes upon a core UVM CEMS investment in complex systems (see CEMS Complex Systems Center website: www.uvm.edu/~cems/complexsystems) and the designation of UVM as a National University Transportation Center (UTC) by USDOT to develop transdisciplinary research in Sustainable Transportation Systems (see www.uvm.edu/~transctr).

Candidates for this position will have strong complex systems analysis and modeling experience based on real-world data, with successful applicants also having demonstrated interest in policy-relevant applications and an appreciation of interdisciplinary approaches and perspectives in engineering in both teaching and research. The candidate must be experienced with complex systems approaches to transportation activity analysis and will be expected to teach undergraduate systems engineering courses in addition to graduate courses in systems and transportation demand modeling. Multimodal interests are particularly desirable – e.g., with focus on air versus rail or rural demand responsive transit. The successful candidate will contribute to undergraduate and graduate instruction and maintain an active program of externally-funded research and graduate student advising. Interdisciplinary collaborations will be highly valued and development of a funded research program in partnership with the UVM Transportation Research Center is expected.

The College of Engineering and Mathematical Sciences at UVM is one of the fastest growing on campus, with excellent faculty and students in engineering, computer science, and mathematics and statistics and a leader in high-profile, multi-disciplinary partnerships across campus as well as “holistic” and interdisciplinary approaches to 21st century engineering education. CEMS is also home to the university-wide Vermont Advanced Computing Center – a high performance computing facility serving diverse, computationally-intensive research programs across UVM and with UVM partners (www.uvm.edu/~vacc). The successful candidate will join this growing community, with approximately 30 permanent faculty colleagues in CEMS’ School of Engineering (http://www.uvm.edu/~soe/) itself. Candidates must have a Ph.D. degree in an engineering field, a proven record of scholarly activities, and show potential for strong performance in research and teaching in one of the School’s accredited civil, electrical, environmental, or mechanical engineering programs.

The University of Vermont is an Affirmative Action/Equal Opportunity employer. All Departments are committed to increasing faculty diversity and welcome applications from women and underrepresented ethnic, racial and cultural groups and from people with disabilities. The University is committed to building a culturally diverse educational
and research environment. Applicants will be requested to include in their cover letter information about how they will further this goal.

Qualified applicants must apply through the UVM website www.uvmjobs.com - search job number 032610.