Assistant or Associate Professor in Air Transportation Engineering

The Charles E. Via, Jr. Department of Civil and Environmental Engineering (CEE) at Virginia Tech invites applications for a tenure-track faculty position in the area of air transportation systems engineering effective August 2016. The position is anticipated to be filled at the rank of assistant professor; however, associate professor level appointments may be considered for outstanding candidates. A Ph.D. degree in Engineering or a closely aligned field is required. Registration as a Professional Engineer (PE) or completion of the FE examination with plans to pursue PE registration and professional experience are desirable but not required.

All faculty members in the CEE Department are expected to have a strong commitment to undergraduate teaching as well as to specialized graduate education. Likewise, they are expected to develop a strong record of scholarly work and sponsored research. The CEE Department currently has 55 faculty members, with approximately 350 full-time graduate students and 600 undergraduate students. The Via Endowment allows the department to offer a significant number of scholarships and fellowships to highly qualified students.

The successful candidate should have demonstrated research experience in two or more of the following areas: air transportation systems modeling and simulation, air transportation logistics, air traffic management, airport design and operations, airline management and operations, aviation safety and aircraft performance modeling. A demonstrated interest and the application of advanced computational methods such as statistical and computer modeling of air transportation systems is desirable. This faculty member will be expected to work closely with faculty in the Transportation Infrastructure and Systems Engineering group within the Department of Civil and Environmental Engineering. The faculty member will provide support and leadership to expand our existing air transportation program. Virginia Tech is a member of an FAA Center of Excellence in Aviation Operations Research. The faculty member will be given the opportunity to develop and teach undergraduate and graduate coursework focused on the subjects stated above, as well as teach in one of the more traditional areas of civil and environmental engineering.

Virginia Tech is a recipient of the National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. Virginia Tech is an Equal Opportunity/Affirmative Action employer. The CEE Department strongly supports the Virginia Tech Principles of Community. Information about the CEE Department is available at www.cee.vt.edu.

Applicants must provide a cover letter, contact information for three professional references, a candidate statement discussing teaching, research, and professional goals, and a current CV. Those wishing further information about the search process may contact Dr. Antonio A. Trani, Faculty Search Committee Chair, The Charles E. Via, Jr. Department of Civil and Environmental Engineering, 750 Drillfield Dr, Virginia Tech, Blacksburg, VA 24061 or email to: vuela@vt.edu. Review of applications will begin November 1, 2015.

Applicants are required to apply online at www.jobs.vt.edu and should use posting number TR0150123.