

## **Post-Doctoral Fellowship**

### **Vanderbilt University Department of Civil and Environmental Engineering**

The Vanderbilt University Department of Civil and Environmental Engineering is pleased to invite applications from qualified candidates for a post-doctoral fellowship with the Vanderbilt Center for Transportation Research (VECTOR). This position is for one year, with the possibility of an additional one-year extension. This appointment may be made as early as January 2013.

Applications are sought from candidates with primary experience in one or more of the following fields: transportation engineering, system analysis, or logistics; geographic information systems (GIS); or computer science with a focus on database systems. There are currently several research projects ongoing in which the post-doctoral fellow may be involved. These include intermodal freight transportation, risk management, infrastructure adaptation, GIS network analysis, and transportation information management.

The post-doctoral fellow will function as an integral member of a growing research group. The group is led by three faculty members. The successful candidate will be expected to contribute to existing projects, work closely with other members of the research group and in interdisciplinary teams, help develop project proposals and publish research results in peer-reviewed journals.

#### **Qualifications:**

A Ph.D. in Civil Engineering or a related field (e.g., Environmental Engineering, Environmental Management, Atmospheric and Oceanic Sciences, or Geosciences) is required. In addition, candidates should have a keen interest and demonstrated expertise in their particular field, strong interpersonal skills, mature writing ability, capability of performing in-depth data analyses, and experience in database management (GIS skills preferred), hydrologic or climatic modeling, and risk analysis. Candidates must be self-starters who are comfortable taking initiative and who can play a major role in working on multiple projects and bringing them to completion.

#### **Post-Doctoral Fellow Selection:**

Applications will be received until the positions are filled. Applications should be submitted electronically to [janey.camp@vanderbilt.edu](mailto:janey.camp@vanderbilt.edu) and should include the following:

- Curriculum vitae or resume
- Essay (3-5 pages) describing:
  - Reasons for applying
  - Goals to be accomplished
  - Relevant experience and skills that match with VECTOR project areas
  - How selection as a fellow will help accomplish career goals

Interviews will be conducted with highly qualified candidates based on a review of this application material.