

# **Postdoctoral research fellow position in data-driven risk analysis and resilience modeling of infrastructure systems**

**Civil and Environmental Engineering, Vanderbilt University**

A postdoctoral position is available in statistical and computational modeling applied to infrastructure systems. The initial appointment is for one year, with the possibility of renewal based on progress and funding.

The research focus will be on statistical methods applied to systems risk analysis and resilience modeling. In particular, the research fellow is expected to develop mathematical and statistical tools to model the interdependency of infrastructure systems under the uncertainty of extreme events and future climate change. Experience in Bayesian statistics and network analysis is preferred.

## **Qualifications**

Ph.D. in civil engineering, statistics, operations research, industrial engineering, systems engineering, or a related field is required. Training and experience in data analytics and computational modeling is preferred.

## **Application**

In a single PDF document, please send a cover letter, one-page research statement, CV, and the contact information of three references to [hiba.baroud@vanderbilt.edu](mailto:hiba.baroud@vanderbilt.edu).

Applications submitted by October 20, 2017 will receive full consideration. However, applications will continue to be reviewed until the position is filled.

Vanderbilt University is an equal opportunity, affirmative action employer. Women, minorities and people with disabilities are encouraged to apply.