



**GLENN DEPARTMENT OF  
CIVIL ENGINEERING**

**GAANN Fellowships in Sustainability and Resilience of Existing Infrastructure**

The Glenn Department of Civil Engineering at Clemson University recently received a prestigious grant from the U.S. Department of Education through its GAANN (Graduate Assistance in Areas of National Needs) Program to support 7 Ph.D. Fellowships in Sustainability and Resilience of Existing Infrastructure (SREI). We are seeking highly qualified students, with U.S. citizenship or permanent residency, to fill these positions with starting dates of January, May or August of 2013. Our main goal is to produce highly qualified PhD graduates with expertise in the SREI area for an academic and research career.

GAANN Fellows' dissertation research topics will have the following themes: (1) Assessment of sustainability and resilience of existing infrastructure including developing methodologies to estimate and extend the remaining useful life of existing infrastructure; (2) Restoration and/or preservation of existing infrastructure with a focus on quantifying the interdependencies between sustainability and resilience; and (3) Use of a systems approach to prioritize strategies for robust maintenance of existing infrastructure under uncertainty. Within these themes, Fellows will have the flexibility to work with their advisors to define meaningful research topics.

GAANN Fellows will receive fully paid tuition and fee benefits, a stipend of up to \$30,000 per year depending on needs, and formal training in teaching to complement their course work and research activities. They will join an active graduate program with 50 Ph.D. students (including 5 National Science Foundation Fellows), many of whom are working on topics related to Sustainable and Resilient Infrastructure.

Interested students should e-mail Project Director, Professor Hsein Juang ([hsein@clemson.edu](mailto:hsein@clemson.edu)) with a brief (<200 words) statement of interest and a resume. We will begin reviewing applications Friday, October 12<sup>th</sup>, but will also consider applications received after this date. The U.S. Department of Education requires students who fill these GAANN Fellowships be U.S. citizens or permanent residents, but we welcome other applicants through our regular graduate school admissions process.

Clemson University, the land-grant university in South Carolina, has been ranked the nation's top 25 public universities for the fifth consecutive year, according to U.S. News & World Report. The Glenn Department of Civil Engineering is one of the largest departments at Clemson, which has approximately 550 students pursuing B.S. degrees, 125 more pursuing M.S. or Ph.D. degrees, and 24 full-time faculty positions. The Department also offers the NSF-supported Science Masters Program in Sustainable and Resilient Infrastructure. More information about the Department can be found at [www.clemson.edu/ce](http://www.clemson.edu/ce).