

**5 Year NSF project starting fall 2009** (U.S. citizens or Green card holders only)

Research Area(s):

(1) Sustainability through air pollution engineering & control

National Science Foundation (NSF) has recently granted the University of Tennessee, Knoxville (UTK) a five year Integrative Graduate Education and Research Training (IGERT) grant entitled "*STAIR: Sustainable technology through advanced interdisciplinary research*". This IGERT is multidisciplinary and encompasses faculty from chemistry, biology, chemical, materials and environmental engineering to pursue sustainability solutions. This IGERT will provide financial support for 16 graduate students (matched to 16 faculty participants) with the goal that these students will achieve an expertise in one field and breadth of knowledge in others.

Responsible for the experimental component of the hydrogen storage research, I will provide financial support to one graduate student for 5 years. This student will receive PhD graduate training in the field of Environmental Engineering with a focus on achieving sustainability through Air Quality research. The student will have the opportunity of working with world class scientists at UTK and Oak Ridge National Laboratory. The proper candidate for this position will be self-motivated, with an excellent academic background, a B.S in any field of science or engineering and a minimum GPA of 3.5. This project requires strong communication skills and an ability to work in teams across disciplines. Therefore, committed involvement in some group activities will be an important criterion for evaluation. The student will receive a stipend for up to five years at **\$30,000 per year**, plus tuition waiver and health benefits. Since support by the IGERT grant is of higher value, the evaluation process will be more rigorous.

The applicant needs to apply to the PhD degree program (not MS program) following standard graduate application procedures for admission into the Environmental Engineering Program in the Department of Civil & Environmental Engineering. Appropriate waivers, course pre-requisites and suitability for support by this grant will be determined based on the application.

This position is open only to U.S. citizens or Permanent Residents with a green card.

Interested candidates should contact:

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