

Program Announcement

Graduate Assistantships in Areas of National Need Fellowships in Renewable Energy Technologies and Infrastructure Networks (GAANN-RETAIN)

Funded at Drexel University by the US Department of Education

Release Date: 14 February, 2011

Program Description

The GAANN-RETAIN program will provide doctoral students with exceptional training in research and education in the applied science and technology of **renewable energy sources, power distribution infrastructure, ecologically friendly materials and devices, and environmental impacts of new technologies and methods**. GAANN-RETAIN Fellows will engage in mentored research and education in all aspects of energy critical to sustainable growth, energy independence and US technological competitiveness.

Eligibility

Applicants must

- Be US citizens or permanent residents;
- Be eligible for financial assistance under the criteria governing 34 CFR 75.60;
- Be accepted into and enrolled in a PhD program at Drexel, and pursue a CoE faculty-mentored RETAIN concept-based project;
- Indicate plans to pursue PhD degrees and have plans for careers in energy or energy-related research and/or education;
- Demonstrate excellent academic performance and superior academic ability as evinced by undergraduate GPA and GRE scores, evidence of compelling interest in RETAIN concepts, aptitude for carrying out original research, and potential for leadership in science and technology, as supported in letters of recommendation;

Preference in selection will be given to PhD candidates (those who have already completed their PhD candidacy exam by the date of their application).

Program Benefits and Conditions of Award

- *Research and Training*: The program will integrate outstanding faculty-mentored and externally-supported research, with access to technological resources and technology commercialization infrastructure support.
- *Educational Training*: Fellows will receive educational training from participating CoE and School of Education (SoE) faculty on topics such as syllabi, lecture and/or laboratory materials development and/or revision, and evaluation of outcomes and assessment. GAANN-RETAIN Fellows agree to participate in at least one faculty-mentored teaching experience during the term of their award.

- *Dissemination*: Fellows will plan and organize multi-disciplinary colloquia, panel discussions and other concurrent modes of dissemination (e.g. poster sessions, seminars, and websites) hosted at Drexel on RETAIN concepts. These gatherings will be designed by Fellows to help promote increased collaboration in energy research among research groups at Drexel and in the region as well as to facilitate technology commercialization and information dissemination.
- *Support for Research Project-Related International Travel and User Fees*. GAANN-RETAIN Fellows will be eligible to apply for funding to cover 50% of the costs of travel and/or instrumentation user fees (at Drexel or elsewhere) for activities in support of their research, up to \$2500 per year.
- *Renewal*: Appointment of a PhD candidate to, and the awarding of a GAANN-RETAIN Assistantship is for a period of up to three years; GAANN-RETAIN fellows will be evaluated and assistantships renewed on an annual basis subject to the availability of funds. GAANN-RETAIN Fellows will be expected to provide evidence of dissemination of peer-reviewed publication(s) in the form of at least one first-author (or second-author of equal contribution) published paper and/or submitted manuscript in a peer-reviewed journal within each year of the Fellow's appointment as a first-author.
- *Outreach*: GAANN-RETAIN Fellows will be expected to participate in mentoring and laboratory demonstrations through various outreach activities on and off campus each year.

Application and Deadlines

Applications for consideration for GAANN-RETAIN awards effective beginning spring quarter 2010-2011 are due Friday March 18, 2011. Late applications will not be considered.

Application instructions and materials can be obtained online: Future solicitations for new GAANN-RETAIN awardees will be announced in August in 2011 and 2012, depending on the availability of funds.

Questions

Questions regarding eligibility, status of application, and award benefits and expectations should be addressed to Ms. Holly Burnside At holly@coe.drexel.edu.

Name

Student ID # (if known)

Local Address (Street, City/Town, State, ZIP/Postal Code):

Permanent Address (if different from local address):

E-mail address:

Phone number:

I am ...

- Applying as a new student
- Already enrolled

Anticipated date of PhD candidacy (if applicable/known)

- I successfully completed candidacy on _____
- I plan to complete PhD candidacy on _____
- I am a new student and I am not sure when I will complete PhD candidacy

My application for support under GAANN-RETAIN is for up to three years beginning

- Spring academic quarter 2010-2011
- Summer academic quarter 2010-2011
- Fall academic quarter 2011-12

Department:

Advisor (if known):

Previous education

Institution	Degree(s) Earned	Major	GPA	Year Earned

Test Scores:

GRE Verbal _____

GRE Quantitative _____

Analytical writing _____

In addition to the basic information provided here, please submit the following as attachments to a *single* email to holly@coe.drexel.edu, with cc: to spanier@drexel.edu, with the words “GAANN-RETAIN” in the subject line:

- ❑ Completed FAFSA to Drexel University
- ❑ Your CV
- ❑ A scanned or electronic copy of your academic transcripts (any and all undergraduate and graduate); unofficial copies are acceptable.
- ❑ A scanned or electronic copy of your GRE general score report;
- ❑ A statement of research interest(s) not exceeding three pages, describing your current or planned research in renewable sources of energy, energy storage, power and/or energy infrastructure
- ❑ A personal statement indicating your interest in performing research and outreach activities in the areas of renewable energy sources and infrastructure

Recommendation Letters: Applicants must arrange for three letters of recommendation from professors, research advisors, internship/co-op or other supervisors to be sent directly via email as PDF attachments to holly@coe.drexel.edu.