ASEE Action Newsletter

December 2009

- ASEE/NSF CORPORATE RESEARCH POSTDOC FELLOWSHIP PROGRAM
- NEW ASEE NATIONAL AWARD
- PREVENT HOME HEATING FIRES
- FELLOWSHIP OPPORTUNITIES
- NATIONAL ENGINEERS WEEK STUDENT VIDEO CONTEST
- NATIONAL DESIGN CHALLENGE (NEDC)
- PARDEN PROJECT OFFERS FELLOWSHIPS
- POLYURETHANE COMPETITION
- HOLIDAYS

ASEE/NSF CORPORATE RESEARCH POSTDOC FELLOWSHIP PROGRAM

ASEE, with support from the National Science Foundation, has just launched the Corporate Research Postdoctoral Fellowship Program to allow 40 highly qualified recent engineering Ph.D. recipients to conduct innovative research at some of the nation's foremost research-performing companies. The program provides $50,000 toward stipend expenses and $6,500 toward health insurance for each one-year fellowship, and requires that the host corporation pay $25,000 toward the stipend and a $2,500 administrative fee. That means the program fellows will receive a minimum of $75,000 while spending a year at some of the leading-edge corporate laboratories in the country. Initial host companies include HP, IBM, and SAP-U.S. The fellowship offers corporations the opportunity to attract top engineering talent at a fraction of the usual cost while participating in a program aimed at promoting engineering excellence and strengthening our nation's technical prowess. Qualifying companies of all sizes are encouraged to register at: https://aseensfip.asee.org/corporate/register and post available research positions. Fellowships will be awarded to the first 40 successful matches made between the company and applicant, with the companies making the selection decision. Research fellows must hold a Ph.D. awarded in an engineering field within the last three years and be U.S. citizens, U.S. nationals, or permanent residents. Interested applicants should begin the process at: https://aseensfip.asee.org/apply/sessions/new. For details and a sample host agreement, see: https://aseensfip.asee.org/. For further information, contact Antis Hicks (a.hicks@asee.org, 202-331-3558).

NEW ASEE NATIONAL AWARD

ASEE is pleased to announce the National Engineering Economy Teaching Excellence Award. This new award recognizes an individual who has demonstrated classroom teaching excellence and teaching scholarship in engineering economy. You are invited to nominate a deserving colleague for this award, which consists of a $10,000 honorarium, an inscribed plaque, and a $1,000 stipend to assist the award recipient in travel costs to attend the ASEE Annual Conference where the award will be presented. Details are at: http://www.asee.org/activities/awards/special.cfm#National_Engineering_Economy_Teaching_Excellence_Award. You can read about the award's benefactor, Don Newnan, at: http://www.asee.org/activities/awards/National_Engineering_Economy_Teaching_Excellence_Award.cfm. Award nomination details and forms are at: http://www.asee.org/activities/awards/index.cfm. The deadline for submitting award nominations is January 15, 2010. ASEE awards will be presented at the ASEE Annual Conference Awards Banquet in Louisville, KY in June 2010.

PREVENT HOME HEATING FIRES

When it’s time to turn up the heat in your home this winter to battle the cold, follow tips from ASEE affinity partner Liberty Mutual for servicing your furnace, chimney and other heating equipment to prevent the chance of fire. Find the five tips at: http://www.asee.org/activities/resources/benefits-view.cfm

FELLOWSHIP OPPORTUNITIES

Applications are open for the following Federal programs that ASEE administers. The programs that offer fellowship opportunities, include the following:

The Naval Research Laboratory (NRL) Postdoctoral Fellowship Program

This program is open to US citizens and legal permanent residents and offers a competitive stipend as well as insurance, relocation, and travel allowances. This program offers one to three year postdoctoral fellowships designed to increase the involvement of scientists and engineers from academia and industry to scientific and technical areas of interest and relevance to the Navy. This program has a rolling admission. Go to: http://www.asee.org/nrl/.

The National Defense Science and Engineering Graduate Fellowship Program (NDSEG)

The fellowship program is sponsored by the Army Research Office, Office of Naval Research, Air Force Office of Scientific Research and the DoD High Performance Computing Modernization Program. This program is intended for U.S. citizens or nationals at or near the beginning of their graduate studies in science or
engineering. The fellowships are for three-year tenures and include full tuition and fees, a competitive stipend, and a health insurance allowance. The application cycle is from September to January. Go to: http://ndseg.asee.org for the online application and detailed program information.

The Office of Naval Research (ONR) Summer Faculty Research and Sabbatical Leave Program.

This program is intended for US citizens who hold teaching or research appointments relating to science and/or engineering at U.S. academic institutions. A competitive stipend, relocation and travel allowances, and a pre-program site visit are offered. The application cycle is from September to January. For additional information go to: http://www.asee.org/summer, or contact onrsummer@asee.org.

NATIONAL ENGINEERS WEEK STUDENT VIDEO CONTEST

National Engineers Week 2010 will recognize significant ways engineers make a difference in their communities, aside from their professional and academic achievements. The National Engineers Week Foundation and ASCE invite engineering students to enter a video contest to show others why their engineering school is the best at making a difference through volunteer projects. Each school or university may submit one entry. Participating student groups will receive a $100 gift card and other EWeek supplies to help plan a student event to watch a live coast-to-coast Web event announcing the winner of the contest. Deadline is February 1, 2010. See: http://teachers.egfi-k12.org/student-video-contest-feb-1-2010/

NATIONAL DESIGN CHALLENGE (NEDC)

The NEDC is seeking sponsors for its competition, and sponsorship opportunities can be viewed at: http://www.jets.org/programs/nedc/getinvolved.cfm. NEDC’s goal is to encourage more students to pursue engineering by showing them how engineering impacts everyday life and how engineers use creativity and design to solve social and community problems. In 2010, NEDC teams will put their creativity and problem-solving skills to use by designing and building an assistive technology device for a person in their community. For additional questions and information, contact: dschultz@jets.org or 908-892-0609.

PARDEN PROJECT OFFERS FELLOWSHIPS

An engineering project called PARDEM-(Particle Systems: Training on DEM Simulation for Industrial and Scientific Applications) is offering 13 Marie Curie Fellowships to support PhD training. The project seeks to develop the Discrete Element Method (DEM) of modeling and to predict the behavior of granular solids such as pellets, grains, sand and biomass for industrial applications. The studentships are open to international candidates and are fully funded. Details are available at: http://www.pardem.eu

POLYURETHANE COMPETITION

The program, “PMA Presents: Surprisingly Versatile Design Competition,” will provide three $1,000 scholarships to students who exhibit the best use of cast polyurethane to replace a part traditionally made of plastic, rubber or metal. Winners will also be invited to showcase their work at the PMA’s annual meeting in Las Vegas, where several cast polyurethane processors and suppliers will be available for networking opportunities. Each winner will receive a $650 voucher toward airfare and a two-night stay. For questions, contact Christina Yunker at: (414) 274-3014, or email: cyunker@insideSH.com.

HOLIDAYS

ASEE headquarters will be closed December 25 for Christmas Day, and January 1, 2010 for New Year’s Day. Happy Holidays to all.

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