NEW ASEE STUDENT CHAPTER AT WSU

The College of Engineering and Architecture at Washington State University (WSU) has announced the establishment of a student chapter. The new ASEE student chapter was formed with the support of Dean Candis Claiborn, who said "It is anticipated that a student chapter will provide a forum for our existing students conducting research in engineering education to share ideas and develop productive relationships." Dr. Shane Brown is the faculty advisor, and Paul Golter is the chapter president. ASEE now has 14 student chapters.

ENGINEERS REQUIRED FOR TV SERIES

The Discovery Channel is looking for a charismatic personality to lead a team of engineers for a new television series which will explore the 'breaking point' of a range of different objects on a massive scale – from fuel trucks to aeroplanes. Discovery's ad reads, "Are you an energetic, hands-on engineer with great communication skills? Do you have a knack of explaining complex ideas in a simple way? Are you brimming with ideas for practical experiments and have the personality to bring them across on-screen? Please apply to amy.ruse@fireflyproductions.tv with a resume, photo and a few lines about why you are the right person for our show. TV experience is not required."

2008 HP TEACHING GRANTS

HP has launched its 2008 HP Technology for Teaching Grant Initiative, which will award grants of nearly $7 million in cash and equipment. K-12 grants are available to public schools in the U.S. and Puerto Rico. Higher Education grants are available to public and private, two- and four-year colleges and universities throughout North America (Canada, Puerto Rico, and the U.S.). The higher education initiative is specifically targeting faculty teaching selected disciplines within math, science, engineering, information systems, and computer science. Web-based applications are due by 5 p.m. PST, February 14, 2008. For more information and to download a request for proposals, visit http://www.hp.com/go/hpteach.

NOVEMBER PRISM

The Prism that is about to hit your mail box has a story taken, as they say, right out of recent headlines. "Patch and Pray" is the cover story, and it takes a look at the serious state of disrepair existing within U.S. infrastructure – roads, bridges, power grids, et al. The stunning collapse of the Minneapolis bridge this summer, of course, has renewed focus upon the multiple problems that exist and what needs to happen to forestall future disasters. The article looks at the impressive research and technologies that engineers are devising to prolong infrastructure life.

DISTANCE-LEARNING SURVEY

Tom Davies, a doctoral student at Pepperdine University, needs your help in documenting the role that distance-learning technology plays in facilitating industry-university collaboration. Specifically, this study will explore how distance-learning technologies and supporting infrastructure can influence how partnership communications are established, sustained, and improved. ASEE members are asked to complete a 21-question online survey. Participation is strictly voluntary, and participants can withdraw at any time from the study. The survey is at: http://www.zoomerang.com/survey.zgi?p=WEB226XGM7V9AU. Contact Tom Davies at Tel: (714) 377-0524, or Email: thomas.n.davies@pepperdine.edu for more information.

FELLOWSHIP OPPORTUNITIES

ASEE administers a number of federal programs that offer fellowship opportunities, including the following:

Summer Faculty Fellowship

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. Application deadline is December 4, 2007. Go to: http://www.asee.org/summer.

The Air Force Summer Faculty Fellowship Program (SFFP)

The Air Force Summer Faculty Fellowship Program (SFFP). This program is intended for US citizens or permanent residents who have an earned doctorate in science or engineering and who hold full-time science or engineering faculty positions at US colleges, community colleges and universities. The duration of this summer fellowship is from 8 to 12 continuous weeks and research is performed on-site at Air Force laboratories. There is a competitive weekly stipend, and relocation and daily expense allowances are available for those who qualify. The application opened on August 1st, 2007. To apply online, go to: http://www.asee.org/sffp.
Undergraduate/Graduate

The National Science Foundation Graduate Research Fellowship Program (GRFP)

The National Science Foundation Graduate Research Fellowship Program (GRFP). For U.S. citizens, nationals, or permanent resident aliens at or near the beginning of their graduate studies, this program offers a stipend of $30,000 a year for three years and a $10,500 cost of education allowance and a one-time $1,000 travel allowance. For application and deadline information, go to: http://www.fastlane.nsf.gov. For additional program information, go to: www.nsf.gov/grfp.

Science, Mathematics and Research for Transformation (SMART) Scholarship for Service Program

Science, Mathematics and Research for Transformation (SMART) Scholarship for Service Program. The purpose is to promote the education, recruitment and retention of outstanding undergraduate and graduate students in science, mathematics, and engineering studies; the DoD is also interested in supporting the education of future scientists and engineers in a number of interdisciplinary areas. Scholarships and fellowships awarded include salary or stipend, full tuition, required fees, federal employee benefits, and up to $1000 book allowance per year. The SMART Program will allow individuals to acquire an education in exchange for a period of employment with the Department of Defense. The program is intended for citizens and nationals of the United States; students must be at least 18 years of age to be eligible for an award. Application deadline is December 14, 2007. For information and to apply online, go to http://www.asee.org/smart.

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

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 at or near the beginning of their doctoral studies in science or engineering programs. The fellowships are for three year tenures and include full tuition and fees, a competitive stipend, and a health insurance allowance. The application deadline is January 7, 2008. Go to: http://www.asee.org/ndseg for applications and detailed program information.

The Naval Research Enterprise Intern Program (NREIP)

The Naval Research Enterprise Intern Program (NREIP). The American Society for Engineering Education (ASEE) is now administering NREIP, sponsored by the Office of Naval Research (ONR). NREIP is a ten week summer research opportunity for undergraduate Juniors & Seniors, and Graduate students, under the guidance of a mentor, at a participating Navy Laboratory. The stipend amounts for the program are $5,500 for undergraduate students and $6,500 for graduate students. U.S. citizenship required; Permanent residents accepted at certain labs. The application is currently open and must be completed by January 14, 2008. Go to: http://www.asee.org/nreip.

Postdoctoral Fellowship

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.

High School

The Science and Engineering Apprenticeship Program (SEAP).

The American Society for Engineering Education (ASEE) is now administering SEAP, sponsored by the Office of Naval Research (ONR). SEAP is an eight week summer research opportunity at participating ONR laboratories for high school student who have completed at least grade 9, must be 16 years of age for most Laboratories, and a U.S. citizen. A graduating Senior is eligible to apply. The stipend for the summer program is $1,500 for new students; $1,550 for returning students. The application is currently open and must be completed by January 28, 2008. Go to http://www.asee.org/seap.