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**ASEE Action Newsletter**

**October 2008**

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**ASEE GLOBAL COLLOQUIUM**

ASEE’s 7th Global Colloquium will be held in Cape Town, South Africa, October 19-23, 2008. This meeting will involve a series of exciting interconnected events that will include the Global Colloquium, the Second IFEES Summit, the Global Student Forum on Engineering Education, plus a dozen workshops. Of the workshops, there will be a special one by the organization, Engineering for a Sustainable World; an NSF-OH State University session focusing on US-African partnerships; and a presentation focusing on the socio-economic-political context of South Africa. Additionally, there will be a deans meeting for South African and Global engineering deans. The Global Colloquium brings together engineering educators from international countries worldwide. For details, go to: [http://www.asee.org/conferences/international/2008/](http://www.asee.org/conferences/international/2008/).

**ADVANCES IN ENGINEERING EDUCATION**

The second issue of Advances in Engineering Education (AEE), ASEE’s new online journal, is available at: [http://advances.asee.org/](http://advances.asee.org/). AEE launched in September 2007, under the direction of editor Larry Shuman, University of Pittsburgh. In his editorial for this issue, Shuman says, “We are actively soliciting articles for our upcoming issues. Please join us in this exciting endeavor by submitting those papers that you believe are truly an advance, which helps move the field of engineering education forward. We promise to peer-review your submissions in a timely manner and assist you in recommending how multimedia might be used to enhance accepted papers.” AEE’s mission is to disseminate significant, proven innovations in engineering education practice, particularly those best presented through the creative use of multimedia.

**TOM PETERSON TO BE NSF ASSISTANT DIRECTOR FOR ENGINEERING**


**RICHARD BLAIS WINS MCGRAW PRIZE IN EDUCATION**

Richard Blais, vice president of Project Lead The Way (PLTW), is a winner of the Harold W. McGraw, Jr., Prize in Education, which recognizes outstanding individuals who have dedicated themselves to improving education and whose accomplishments are making a difference. Each winner receives a gift of $25,000. Blais began his career as a secondary school teacher and also has worked as an engineer. He co-founded Project Lead The Way (PLTW), whose mission is to create partnerships with our nation’s schools to prepare an increasing and more diverse group of students to be successful in science, engineering and engineering technology. Under Blais’ leadership, PLTW has expanded across all 50 states and the District of Columbia to 3,000 schools and 300,000 students.

**ABET COMMISSION SUMMIT**

ABET’s 2008 Commission Summit, which will be held on Wednesday, October 29, in Louisville, KY, is an opportunity for those unfamiliar with ABET accreditation to learn about ABET’s processes, policies, and procedures. Whether your program is just starting to consider accreditation or you already have a scheduled evaluation in 2009-2011, ABET believes benefit can be attained from attending the Commission Summit. For details and online registration, go to: [www.abet.org/summit.shtml](http://www.abet.org/summit.shtml). You can also call ABET at (410) 347-7700.

**FELLOWSHIP OPPORTUNITIES**

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

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 awarded include a cash award of $25,000 to $41,000, full tuition, required fees, and a book allowance. 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 U.S. citizens; students must be at least 18 years of age to be eligible for an award. Application deadline is December 15, 2008. For information and to apply online, go to [http://www.asee.org/smart](http://www.asee.org/smart).

The National Defense Science and Engineering Graduate Fellowship Program (NDSEG) 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. Application deadline is January 5, 2009. Go to: http://www.asee.org/ndseg for applications and detailed program information.

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: http://www.nsf.gov/grfp. Application is expected to close early November.

The Navy Postdoctoral Fellowship Programs. This program is open to U.S. citizens and legal permanent residents and offers a competitive stipend as well as insurance, relocation, and travel allowances. Locations include Naval Research Lab (NRL) and Naval Surface Warfare Center/ Indian Head. 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 Naval Research Enterprise Intern Program (NREIP). 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. See website for details. Application opens October 15, 2008 and must be completed by January 12, 2009. Go to: http://www.asee.org/nreip.

The Science and Engineering Apprenticeship Program (SEAP). 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 opens October 15, 2008 and must be completed by January 26, 2009. Go to http://www.asee.org/seap.

NASA Aeronautics Scholarship Program. The purpose of this NASA program is to help advance the nation's aeronautics enterprise by investing in the educational development of the future aeronautics workforce and to provide opportunities to attract highly motivated undergraduate and graduate students to aeronautics and related fields. Scholarships awarded include competitive stipend payments anticipated amount for undergrad up to $15,000 and up to $35,000 for graduate. There is an option to attend a summer internship (up to $10,000 per summer) at a participating NASA Research Center. The undergraduate program is open to U.S. citizens, and applicants should have completed their sophomore year of college by fall of 2009, and should be in good standing at an accredited college or university. The graduate program is open to U.S. citizens, the applicants should be accepted or enrolled in an accredited program, and remain in good academic standing at their respected college or university. Application closes January 2009. For more information, contact nasa.asp@asee.org.

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FAA'S DESIGN COMPETITION

The Federal Aviation Administration (FAA) is continuing to offer a Design Competition for Universities for the 2008 - 2009 academic year and has added a new design category. The competition challenges individual students or teams of students (undergraduates and graduates) from U.S. colleges and universities, working under the mentorship of a faculty advisor, to address challenges in four broad areas: Airport Operations and Maintenance, Runway Safety/Runway Incursions, Environmental Interactions of Airports and the new category, Airport Management and Planning. Students must have a faculty advisor. Cash prizes are given to first, second and third place winners in each category. The first place winners will present their design solutions at the American Association of Airport Executives June 2009 Meeting in Philadelphia, PA. Competition guidelines and full details are at: http://www.faa.gov/runwaysafety/design_competition.htm. If you have questions, contact: VSGC@ed.edu; (757) 766-5210.

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UNIVERSITY OF MICHIGAN RECRUITING GRAD STUDENTS

The College of Engineering at the University of Michigan will host the Engineering Graduate Symposium on November 7, 2008. They encourage all prospective Ph.D and Master's students to attend and meet their college representatives. The focus of this college-wide event is current graduate student research and admission to doctoral and master's programs. The day-long program includes engineering departmental visitations, admissions and funding workshops, and Ann Arbor tours/social events. Travel grants are available for prospective students to attend. A simple online application process is required for travel grant consideration. Travel grant recipients receive airfare, transportation, hotels, and on-campus meals. Details pertaining to criteria and selection, schedule of events, online application, and travel grants can be found at: http://www.engin.umich.edu/gradsymposium. Underrepresented students receiving travel grants will attend a GEM Fellowship Grad Lab, hosted on campus November 8, 2008.

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WOODROW WILSON FELLOWSHIP

The Woodrow Wilson Indiana Teaching Fellowship is a program seeking to recruit talented college graduates and mid-career professionals to teaching in science, technology, engineering, and math (the STEM fields). Application for the Woodrow Wilson Fellowship is available online, along with updated information about the program and award. See: http://www.woodrow.org/1lbeach. The WW Teaching Fellowship carries a $30,000 stipend and offers teaching preparation, clinical experience, and ongoing mentoring. Accepted Fellows will begin their studies in summer/fall 2009 in a master's degree program at one of four participating universities: Ball State University, Indiana University-Purdue University Indianapolis, Purdue University, and the University of Indianapolis. Fellows will commit to teach math or science in a high-need Indiana secondary school for three years upon completing the master's degree and Indiana teaching certification. Applications are due by December 15, 2008. For questions, contact: Dr. Constance Bond, Tel. 609-452-7007 x 141, or email WWTeachingFellowships@woodrow.org. 

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