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ASEE Action Newsletter

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GLOBAL COLLOQUIUM

The [8th Annual ASEE Global Colloquium on Engineering Education](#) is coming up this fall in Budapest, Hungary. The meeting dates are October 12-15, 2009, with related activities including the global student forum, a one-day global engineering deans council, a leadership workshop, and an IFEE meeting. This colloquium is held annually in overseas locations that have ranged from Beijing to Sydney, with last year's meeting held in Cape Town. Engineering educators, corporate colleagues, and engineering students worldwide gather to exchange ideas and viewpoints and hear from distinguished speakers. Registration for the colloquium has opened, and details of the meeting can be seen at: <http://www.asee.org/GCEE2009/>.

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SEPTEMBER PRISM

The cover story for the September issue of [Prism Magazine](#), "Expanding Horizons" describes the elevated role assigned to science and technology by the Obama administration. Starting with the appointment of respected scientists and engineers to key positions, the administration has said that it views science as an important player in tackling the country's long-term economic, energy, health-care and education problems, as well as the global climate crisis. The research agenda ranges from nuclear fusion to cancer treatment and advanced prosthetics. Academic leaders have been enthusiastic, but congressional leaders have shown skepticism, and the article reports on the challenges that may be ahead.

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CCSSIEE REPORT ON THE WEB

A new ASEE report, "[Creating a Cultural for Scholarly and Systematic Innovation in Engineering Education](#)," posted on the ASEE Web site at <http://www.asee.org/CCSSIEE/> in June represents the first phase of an initiative funded by ASEE and NSF on advancing U.S. engineering education innovation. According to the project co-chairs, Drs. Leah H. Jamieson, Purdue University, and Jack R. Lohmann, Georgia Institute of Technology, "this report represents an important contribution by ASEE to catalyze a conversation across the American engineering education enterprise to create a vibrant engineering academic culture for scholarly and systematic innovation in engineering education, to ensure that the U.S. engineering profession has the right people with the right talent for a global society." The project has entered the second phase and is seeking input from the American engineering community on the recommendations and suggested actions in the report.

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DIVISIONS CHANGE THEIR NAMES

Two ASEE Professional Interest Divisions have changed their names. If you are responsible for any web pages or printed materials that include the names of divisions, please note the changes. Freshman Programs is now [First-Year Programs](#), and Cooperative Education is now [Cooperative & Experiential Education](#).

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FELLOWSHIP OPPORTUNITIES

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

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 is expected to open in September and close December. For more information, visit <http://www.asee.org/nasaasp>.

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 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 cycle is from August to November. To apply online, go to: <http://www.asee.org/sffp>.

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 cycle is from September to January. 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, a \$10,500 cost of education allowance to the university, and a one-time \$1,000 travel allowance. There are 900-1,600 anticipated awards in FY09 pending availability of funds. The application cycle is from August to early November. For additional program information, go to: <http://www.nsfgrfp.org>.

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 of the United States; students must be at least 18 years of age to be eligible for an award. Application cycle is August to December. For information and to apply online, go to <http://www.asee.org/smart>.

The East Asia and Pacific Summer Institutes (EAPSI)

These programs are designed to provide U.S. graduate students in science and engineering: 1) first-hand research experience in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan; 2) an introduction to the science and science policy infrastructure of the respective location; and 3) orientation to the society, culture and language. The goals of EAPSI are to introduce students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts. The institutes last approximately 8-10 weeks from June to August. Application cycle is from September to early December. For more information, please visit: <http://www.nsf.gov/eapsi> or <http://www.nsfci.org>.

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 more information, go to <http://www.asee.org/summer>, or contact onrsummer@asee.org.

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NEW TOOL TO PROMOTE STEM

There is a new K12 content tool from Defined Learning for promoting STEM learning and engagement in science, math, engineering, and technology to help foster interest for later school years and careers. The ultimate goal is to grow the proficiency level of students in the sciences and mathematics. Defined learning does this by utilizing career based video, with guiding questions for teachers and students, supplemented with lesson plans and student activities. The service is intended to be a springboard to Project Based Learning. ASEE members can get a preview by going to <http://stem.definedlearning.com> and logging in with user name "asee" and password "stem."

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NTIA BROADBAND TECHNOLOGY PROGRAM

The National Telecommunications and Information Administration (NTIA) is seeking experienced professionals to help review applications to the Broadband Technology Opportunities Program (BTOP) over the coming months. NTIA is looking for reviewers with significant expertise and experience in at least one of the following areas: 1) the design, funding, construction, and operation of broadband networks or public computer centers; 2) broadband-related outreach, training, or education; or 3) innovative programs to increase the demand for broadband services. For more information, go to: <http://broadbandusa.sc.egov.usda.gov/reviewers.htm>.

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IN MEMORIAM-DONALD D. MYERS

ASEE was saddened to learn that Donald D. Myers, professor at Missouri University of Science and Technology (MST), was killed in a bicycle accident last month. ASEE friends had just seen Don at the Annual Conference in Austin. He was excited and happy that he had recently been named a Fulbright Fellow at the U.S. State Department in Washington, D.C. Don served on the ASEE Board of Directors as Zone III Chair from 1995-1997. An active member of ASEE, he was elected to ASEE Fellow status in 2007. For years, he served as a popular and distinguished professor of the Engineering Management Department at the University of Missouri – Rolla (now MST). Don will be missed by friends and associates, and ASEE extends deepest condolences.

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Marian Tatu, editor

m.tatu@asee.org

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American Society for Engineering Education
1818 N Street, N.W., Suite 600
Washington, DC 20036-2479
Web: www.asee.org
Telephone: (202) 331-3500

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