



E WEEK 2010

E News # 7 – February 9, 2010

Engineers Week 2010 will be celebrated February 14 - 20. Co-chairs are ExxonMobil Corporation and the American Society of Civil Engineers. Feel free to forward this letter or contents to other interested parties.

This issue of the newsletter is all about LOCAL NEWS submitted by our readers. Engineers and other volunteers are doing amazing outreach. Remember to add your event to our [local forum](#).

The **Dallas, Texas**, Museum of Nature and Science will celebrate *Introduce a Girl to Engineering Day* by having a women/minority focused area. Girls will receive information regarding different engineering roles/jobs. We will provide info such as schooling, a plan of focus for high school and middle school students, majors/subjects that they should focus on excelling in, and if possible a mentor/contact that they can e-mail or at the very least a site they can reference. Contact Vanessa Perez at vaperez@us.ibm.com.

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The National Capital Chapter (**Washington, D.C.**) of ASHRAE participates in Engineers Week every year. About 5-10 engineers travel to area elementary and middle schools to promote engineering by doing lab activities with students and talking about their careers. Another 10-15 volunteers participate in the Discover Engineering Family Day at the National Building Museum in Washington, DC. During this event ASHRAE members provide materials for three different hands-on projects to several thousand children and their parents. Each project shows engineering in action. Contact Saunders Smith ssmith@ahrinet.org and <http://www.nccashrae.org/>.

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The **New Mexico** Tech Chapter - Society of Women Engineers in **Socorro** will invite 100 girls to campus. Contact is Ashley Arrossa at aarrossa@nmt.edu.

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The Latino American Engineering Student Association in **Jackson Heights, New York**, will make a presentation to an organization whose purpose is to promote STEM careers for girls who are in high school. Contact yanilrosario@gmail.com.

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The Society of Women Engineers/**Hawaii** will host an all-day event at Waipahu Intermediate School (WIS) on Feb 27, 2010. SWE's efforts started with visits to many intermediate schools. They are targeting middle school students in Hawaii to inspire them to get into STEM fields and to go to the University of Hawaii. This year's activities include making Gak! (Flubber), outdoor demos, toothbrush robots, and building bridges. Professional engineering societies – IEEE, ASME, ASCE - will also have booths and demos. Contact is Shantel Hunt at skhunt@hawaii.edu or see <http://www.eng.hawaii.edu/college-events/introduce-a-girl-to-engineering-iged/>.

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You are invited to Engineers Day, In Sunrise Mall (near Macy's Mens), at 6041 Sunrise Mall, **Citrus Heights, California**, Saturday, Feb. 20, 10 AM -7 PM.

FREE hands-on activities

Fun!!! All are welcome.

In celebration of Engineers Week, this event is supported by volunteer engineers from public, private and academic backgrounds working together to demonstrate through free hands-on activities the elements of engineering and to provide encouragement for youth to consider engineering as a future career choice. We will include many favorites - gum drop and tooth pick structures, balloon boats, water treatment, materials, and robot demonstrations, etc

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The **Silicon Valley Engineering Council** has set up a great database for matching up engineers and pre-college teachers for classroom visits during E-week or soon thereafter. See <http://www.svec.org/discover-e.html> and click on the appropriate link depending on whether you're a teacher seeking a visiting engineer or an engineer willing to visit classrooms.

I recall when this system was based on paper forms sitting on large tables at Lockheed's Sunnyvale site. I got matched up with a great San Jose teacher that resulted in several years of valuable interactions for both me and the kids. That teacher has now moved out of state but I've now met another fine teacher through this on-line database whose classes I'll be visiting soon. Try it, you'll like it.

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In **San Jose, California**, celebrate E-Week with us at these (6) events planned for undergraduates, graduate students, alumni, and friends of the School of Engineering. More information: www.scu.edu/engineering/events.cfm

Tuesday, February 16, 2010, 2:30 - 5:30 GAINS Success Camp, Bannan Engineering Laboratories Multipurpose Room. Hosted by SCU's Student Chapter of *Engineers Without Borders*. A "green-themed" workshop and campus "green building" tour for students from San Jose Unified School District's **GAINS** Program (**G**irls **A**chieving in **N**ontraditional **S**ubjects)

Wednesday, February 17, 2010, 11:30 a.m. - 1:00 p.m., Bannan Engineering Laboratories Multipurpose Room. Undergraduates, join us for a fiesta - food, music and Innovation Jeopardy!

Wednesday, February 17, 2010, 6:00 p.m. - 8:00 p.m., Adobe Lodge, Santa Clara University, 2009 School of Engineering Faculty Award Presentation, 2009 Kuehler Undergraduate Research Poster Session. Keynote Presentation by Dan O'Neill, Co-Founder and CTO of Trusonic, Inc. All are welcome!

Thursday, February 18, 2010, 4:00 p.m. - 5:00 p.m., Smart Grid Reliability, Dr. Khosrow Moslehi, ABB, Inc., Bannan Engineering Laboratories Multipurpose Room. All are welcome to attend this graduate electrical engineering seminar reviewing grid reliability challenges and impact of major smart grid resources such as renewables, demand response, and storage.

Throughout the Month of February:

All month long, SCU undergraduate engineering students are volunteering their time at an after-school program for young students at Third Street Community Center in San Jose, where February has been designated Engineering Month.

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ASCE 16th Popsicle Bridge Competition

This year's contest will be held at the California Science Center in **Los Angeles** on Friday, February 19, 2010. The competition is open to High School students but the venue is open for volunteers and the public. Our event will be a local highlight of the National Engineers Week celebration.

Visit our website for more information: http://mlab-ymf.org/index.php?option=com_content&view=article&id=140&Itemid=137

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St. Louis, Missouri, Washington University (3 events)

February 20, 2010, Danforth Campus (Meet at the South 40 Clocktower) Engineers Without Borders (EWB) invites Engineering students, alumni and friends to help North Grand Neighborhood Services, an organization based in North St. Louis and run by Sts. Teresa & Bridget Parish. Volunteers will help develop affordable housing through rehab work. No construction experience is necessary, and faculty, alumni and students are encouraged to partake.

www.ewbwashu.org

February 16, 2010, 7:00 PM, Location TBA

This event will be held in cooperation with SHPE & National Black MBAs.

Washington University in St. Louis, School of Engineering & Applied Science <http://engineering.wustl.edu>,
(314) 935-6350

February 18, 2010, 5 PM, Whitaker Hall Auditorium, Danforth Campus. IdeaBounce® is a fun, fast-paced event to talk and learn about ideas for businesses, programs, social ventures, inventions – anything! Anyone can attend and 12-15 students and community members are pre-selected to give a 2 minute "pitch" about their idea. To post or view ideas visit www.ideabounce.com.

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The **Lehigh Valley (Pennsylvania)** Engineers Council is hosting its 30th Annual Engineer's Week Banquet on February 19, 2010. We will be honoring the local Engineer and Young Engineer of the Year as well as all local engineers. For more information please visit <http://www.lvengineer.org/banquet-2010.html> All are welcome - registration is required

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The National Engineers Week Foundation coalition comprises more than 75 engineering, professional, and technical societies and more than 50 corporations and government agencies. The coalition is dedicated to sustaining and growing a dynamic engineering profession by ensuring a diverse and well-educated future engineering workforce, increasing understanding of and interest in engineering and technology careers among young students, and promoting pre-college literacy in math and science. Among the oldest of America's professional outreach efforts, the coalition also raises public understanding and appreciation of engineering contributions to society through year-round innovative programming and celebration.

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The National Engineers Week Foundation is a non-profit organization. TIN 32-0039097
Leslie Collins, Executive Director

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