Engineers ROCK! February is the time to celebrate being an engineer and in this update you'll read about some of the great things our faculty and alumni have been up to lately. We also have lots of events and activities scheduled as part of our School of Engineering Centennial and National Engineers Week, February 19-25 to lure you back to campus later this month; we hope to see you. As always, we love to hear from you; please keep in touch!

A Message from Dean Godfrey Mungal: The School of Engineering has great news to share: Santa Clara University has been selected for the 2013 U.S. Department of Energy Solar Decathlon to be held in Irvine, California! Over the next two years, undergraduate students from the School of Engineering, College of Arts and Sciences, and Leavey School of Business will collaborate (along with peers from the architecture department of the University of San Francisco) to design and build a net-zero energy house for the prestigious international competition. More information in the University press release. This is a tremendous honor for the University and an unparalleled opportunity for our students to put their talents, education, and heart to work on an enormous interdisciplinary project. SCU will face some stiff competition from fellow California schools: CalTech, USC, and Stanford. Let the games begin!

A Message from Chad Walsh, Engineering Alumni Board Chair: For those of you who want to share your passion for science and technology, the SCU Engineering Alumni Board is supporting "1000 Hearts for 1000 Minds" by encouraging fellow alumni to participate. 1000 Hearts for 1000 Minds links adults with technical backgrounds with students in local public schools to encourage students to go into science, technology, engineering, and math (STEM). If you want to share your passion for these subjects, please consider getting involved in this program. More information: www.hearts4minds.org or email volunteer@hearts4minds.org

Get a Sneak Peak at our Winter Newsletter: The winter edition of Engineering News won't be published until mid-month, but you can be the first to catch all the news. Read about our new state-of-the-art bioengineering labs, our young computer engineering phenom, and the exciting work being done in energy scavenging. All this and more right here.

A Centennial Moment: "Call in the Engineers!" was the battle cry sounded in this Santa Clara Engineering Society poem found in the 1920 yearbook, The Redwood. Read it here.

National Engineers Week
February 19-25, 2012
See our website for complete list of activities.

Santa Clara's John J. Montgomery: Pioneer in Aeronautics, Astronomy, Electricity and Wireless
Tuesday, February 21
4 - 5 p.m.
St. Clare Room, 3rd Floor, Library and Learning Commons (see map)
No charge. RSVP Here.
John G. Burdick ‘65 gives a fascinating and informative presentation on Santa Clara’s own John J. Montgomery, a true pioneer in science who ushered in a century of engineering excellence at Santa Clara University.

The Next 100 Years of Santa Clara Engineering
Wednesday, February 22
4-5:30 p.m.
St. Clare Room, 3rd Floor, Library and Learning Commons (see map)
No charge. RSVP here.

SCU President Michael Engh, S.J., moderates this panel of up-and-coming engineering faculty members on their view of the future of engineering, vis-à-vis their own particular cutting-edge research. Panelists include: Prashanth Asuri, bioengineering; Mark Aschheim, civil engineering; Ahmed Amer, computer engineering; Sarah Kate Wilson, electrical engineering; and Christopher Kitts, mechanical engineering.

A Century of Engineering Excellence
Thursday, February 23
4-5 p.m.
St. Clare Room, 3rd Floor, Library and Learning Commons (see map)
No charge. RSVP here.

Terry Shoup, Professor of Mechanical Engineering and former Dean of Engineering, provides an insightful perspective on the 100-year history of the School of Engineering at Santa Clara University while Dean Godfrey Mungal gives a glimpse of where we are headed. All are welcome!

Faculty Award Recipients Honored Feb. 22: Congratulations to the following faculty members who will be honored in a brief ceremony prior to The Next 100 Years of Santa Clara Engineering event Feb. 22 at 4 p.m.: Frank Barone (engineering management and leadership), Award for Teaching Excellence; Yuling Yan (bioengineering) Researcher of the Year; Nhan Nguyen (mechanical engineering) Adjunct Lecturer of the Year; Sergio Zarantonello (applied mathematics), Gerald E. Markle Award for Teaching Excellence. RSVP here.

Honduran Culture Night: The student chapter of Engineers Without Borders invites you to their 2nd Annual event featuring an authentic Honduran dinner, entertainment, raffle, and a chance to hear about their current projects and travel. Proceeds help fund engineering projects in the community of El Pital, Honduras. More information and RSVP here.

Radha Basu Honored by Girl Scouts: Radha Basu, dean's executive professor, is being honored with the Girl Scouts' Forever Green Award for "women who are greening the future of Northern California through their contributions to the arts, health, environment, social justice, education, philanthropy, economic development and science - women who are inspiring girls to lead." Aside from her work promoting Frugal Innovation and social entrepreneurship at SCU, Radha is CEO of Anudip Foundation (dedicated to creating livelihoods in impoverished areas of India by providing IT training). More here.

Chris Kitts Named Outstanding Faculty Member: Dr. Kitts, director of the Robotics Systems Lab, was named "2011 Outstanding Faculty Member and Network Contributor" by the Kern Entrepreneurship Education Network for his work to promote an entrepreneurial mindset among undergraduate engineering students at SCU. More here.
**Tokunbo Ogunfunmi Appointed Distinguished Lecturer:** Dr. Ogunfunmi, electrical engineering, has been appointed to the IEEE Circuits and Systems Society (CASS) Distinguished Lecturers Program (DLP) for the 2-year term 2012-2013. Based on nomination and talk proposals, the society selects the distinguished lecturers in various areas of CAS that have information on the latest research, and provide the means to travel to destinations to present the topic of interest to IEEE CAS members.

**Carol Reiley '04 Makes the Cover:** Congratulations to this SCU Engineering Alumni Board member and recent Johns Hopkins Ph.D. who appears as the superhero cover model on MAKE Magazine's January 2012 issue! Featured in the magazine are an interview and two articles Reiley co-authored. [Read more here.](#)

**Aaron Weast '99 Contributes to Successful Nike Product Launch:** Aaron was part of a team that brought the new Nike+ Fuelband to market. [Read more about Aaron on page 22 of our engineering brochure.](#)

**Steve Wozniak Presentation Available:** The Apple co-founder was recently on campus for a conversation with our own Professor Ahmed Amer. In case you missed it, you can [view the presentation here.](#)

**Senior Design Conference judging registration available next month.** Watch for the March Alumni Update for information on participating in the [42nd Annual Senior Design Conference, May 10, 2012!](#)