It’s May and that means Senior Design Conference. We are looking forward to having many of you join us as judges at the presentation of our students’ capstone projects on May 10. If you did not register as a judge, we would still love to have you come as a guest; see our website for details.

A Message from Dean Godfrey Mungal: Last week, more than 100 alumni, faculty, staff, and friends of the School of Engineering attended the Centennial Awards ceremony honoring luminaries from the past 100 years of Santa Clara engineering. To choose the 12 awardees from the thousands of alumni and friends the School has been privileged to know over the past century we looked to our vision statement for guidance: “The School of Engineering will be known and treasured in Silicon Valley and beyond, for the impact of its graduates and faculty on improving the human condition through engineering education, practice, and scholarship.” These individuals have brought our vision to life. They are leaders in community service, professional accomplishment, entrepreneurship, scholarship, philanthropy, social justice, and promotion of excellence in Jesuit teaching and we are enriched immeasurably by having had them in our midst. If you missed the ceremony, you may watch the video here or read about the award recipients here.

A Centennial Moment: “...the ideal engineer in accord with his important mission must in all virtues equal the highest type of citizen.” This sentiment was expressed by the engineering editor in the 1915 edition of Santa Clara’s yearbook, The Redwood, and has informed and infused the pedagogy of the School of Engineering here at SCU ever since. Each spring for the past 26 years, graduating engineers have been invited to join the Order of the Engineer at a ceremony hosted by the School of Engineering during which inductees accept a stainless steel ring to be worn on the little finger of their working hand and pledge to uphold the dignity of their profession and to commit themselves to the public service ideals and ethics that are the foundation of the engineering profession. This year will be no exception; the latest corps of Bronco engineers of integrity will join the Order of the Engineer on Wednesday, May 30, ready, willing, and able to take their skills, knowledge, and values out into the world. If you would like to join the Order of the Engineer at our ceremony this year, see our website for details. Visit our Centennial website for more stories: www.scu.edu/engineering/100.

Michael L. Hackworth, 1941-2012: Mike Hackworth, BSEE ’63 and member of the School of Engineering Industry Advisory Board, passed away April 20 following a long bout with cancer. Mike was a cherished member of the Santa Clara University family and recipient of the School of Engineering Centennial Award for his commitment to advancing teaching, learning, and scholarship in applied ethics and his support of women in engineering through an endowment created with his wife, Joan. A Memorial Service will be held Sunday, May 6, at 1 p.m. in the Santa Clara Mission Church on the Santa Clara University campus. There will be a reception immediately following, also on the campus. All are invited.

Engineering Secrets Revealed: A Centennial Exhibit: The School of Engineering’s archives exhibit is a fascinating collection of photos, tools, memories, and memorabilia from our 100 year history produced by curators Heidi Williams (director of communications), Steve Chiappari (applied mathematics) and Erin Louthen (university archivist). Please visit this outstanding display
Christopher Kitts, director of the Robotics Systems Laboratory and associate professor of mechanical engineering and electrical engineering (by courtesy), was recently awarded tenure. Please join us in congratulating Chris on this well-deserved accomplishment!

ASME Honors SCU: On Apr. 19, Santa Clara University was honored with an award of appreciation at the ASME Santa Clara Valley Section Industry Honors Dinner. The ASME Student Section at Santa Clara University was also recognized as the “outstanding student section in the Santa Clara Valley Section,” and mechanical engineering student Alex Kranenburg ’13 received an award for being the most supportive member of an ASME student section.

Undergraduates Win National Competition: Congratulations to our undergraduate team who won top honors in the US Environmental Protection Agency's P3 Award competition with their "Passive Unitized Regenerative Fuel Cell (PUReFC) for Energy Storage in Off-grid Locations." The student team includes undergraduate seniors from mechanical engineering Sandeep Lele, Michael Sizemore, and Sutyen Zalawadia, and electrical engineers Ross Pimentel and Jeff Schwartz. The original Investigator for this project was mechanical engineering professor Daniel Strickland, who was tragically killed in an automobile accident in September. Following his death, Abdie Tabrizi (mechanical engineering) and Shoba Krishnan (electrical engineering) stepped in to advise the students. With this win, the team receives $90,000 in additional funding from the EPA for phase II to advance their research. Go, Broncos!

SCU Shares Gold at Edison Awards: As one of the twenty colleges and universities comprising the Kern Entrepreneurship Education Network (KEEN) Santa Clara University shared the honor of being awarded a Gold Edison Award in the category of Collaborative Networks and Support on Thursday, April 26. Read more here.

42nd Annual Senior Design Conference
Thursday, May 10, 2012
2 p.m.
Thomas J. Bannan Engineering Building
Project abstracts here (pdf)

Come and see the future of engineering as seniors present their capstone projects on everything from increasing the adhesive strength of medical glues to the design and control of a Quadrotor UAV helicopter.
Order of the Engineer Ceremony
Wednesday, May 10, 2012
4 p.m.
Williman Room, Benson Center
More information and application.
The School of Engineering holds its annual induction ceremony and SCU engineering alumni are welcome to join. Deadline to apply: May 18.