

College of Engineering

Faculty/Staff E-Newsletter



SAN DIEGO STATE
UNIVERSITY
College of Engineering

MAY 2009

In The Spotlight

- The 2009 Commencement Ceremony for the College of Engineering will take place on Sunday, May 25th at 1:00 pm at COX Arena, followed by an Engineering only name reading ceremony at Peterson Gym beginning at 2:30 pm. Faculty are encouraged to attend. Questions please contact Donovan at 4-6079 or dgeiger@mail.sdsu.edu

- Save The Date! Tuesday, August 25th 2009 will be the College's Annual dinner and reception for faculty and staff aboard the Berkeley, a part of the San Diego Maritime Museum.

Faculty and staff are invited each month to submit stories, story ideas and photos that you would like to see included in this E-Newsletter. Please contact Carly at chouse@mail.sdsu.edu or at 594-0605 by the 20th of each month for consideration.

Tracking the Dean

5/4-5/7	Dean Hayhurst will travel to Washington D.C. to participate on an NSF Proposal Review Panel
5/8	Dean Hayhurst will attend the MESA End of Year Awards Banquet at the War Memorial Building in Balboa Park
5/11	Dean Hayhurst will meet with Susan Baxter, Executive Director of CSUPERB
5/11	Dean Hayhurst will meet with personnel from SPAWAR, along with Dean Maloy and V.P. Scott
5/14	Dean Hayhurst will Co Chair the MESA 2009 San Diego STEM Conference

Faculty Members Honored with Awards

Dr. Tom Impelluso

Dr. Tom Impelluso was honored on April 29th as the College of Engineering's award recipient for the 2009 University Senate Excellence in Teaching Awards.

According to the University Senate, nominees for this award are recognized for their contributions made to students, to their respective academic disciplines and to the campus communities. Dr. Impelluso embodies all of these criterion, as Dean Hayhurst summed up when he said that "Dr. Impelluso is an outstanding professor and scholar whose teaching excellence, both in the classroom and in the development of new instructional technologies, has greatly benefited our students and the university community".

Great Job Dr. Impelluso!
Thank you for all your hard work.



Dr. Colin Milberg

Dr. Colin Milberg has been selected for the 2009 National Teaching Award from the Associated Schools of Construction. According to ASC, the award recognizes (his) commitment and dedication to advancing construction education".



The award was presented in early April at the 45th General Meeting of ASC at the University of Florida held at the Rinker School of Building Construction. Dr. Milberg was one of just 12 people in the country to receive this honor.

Dr. Milberg has stated in the past that his primary teaching objective is to bridge the gap between education and practice, so that students both understand the relevance of the material and share in the depth and excitement of that material without needing multiple years' experience in the workforce.

Congratulations Dr. Milberg!



AE/EM Students Have Design/Build Fly Success

The SDSU College of Engineering Design/Build Fly team recently competed in the 2009 DBF Competition hosted by Raytheon Missile Systems near their facilities in Tucson, AZ. The Team from SDSU placed 15th out of 52 participating schools, beating such competitors as UCLA, Cal Poly San Luis Obispo and Embry Riddle University.

Design, Build and Fly is an annual competition sponsored by the American Institute for Aeronautics and Astronautics (AIAA) for college students. The competition provides real world aircraft design experience by providing students the opportunity to use a hands on approach by validating it through analysis methods developed in the classroom. The project encourages innovation and new design challenges by changing the rules and mission requirements each year.



Staff Member Participates

Engineering Faculty Get Kudos

5/19	Dean Hayhurst will attend the Naming Ceremony for the Stephen L. and Susan K. Weber Conference Room
5/19	Dean Hayhurst will attend the Construction Engineering & Management Donor Wall Unveiling event
5/20	Dean Hayhurst will speak at the Workshop on International Engineering Education hosted by Dr. Yusuf Ozturk
5/25	Dean Hayhurst. Along with Dean Maloy from the College of Sciences, will speak at the 2009 Commencement ceremony at Cox Arena, followed by an Engineering only ceremony at Peterson Gym
5/27	Dean Hayhurst will attend the CONNECT Board of Directors meeting held at the Faculty Club at UCSD
5/27	Dean Hayhurst will attend the EDC Workforce Committee Meeting



Tracy Arnold, Information Technology Consultant for the College of Engineering, was recently asked to take part in the Digigirlz one day camp here in San Diego. This

program, sponsored by Microsoft, gives girls the opportunity to learn about careers in technology and the role that women play in these fields.

Tracy took this opportunity to speak of her own career experiences in Technology as a woman in order to educate and inspire these girls who may be considering STEM career paths.

35 girls participated in hands on projects using computers with assistance from Tracy and Microsoft employees. The day also included a presentation by Tracy about a day in her life working at SDSU and information on the College of Engineering. The girls had opportunity for a mentorship with a woman working in the Technology field. Each girl participating received lunch and a gift messenger bag stuffed with goodies courtesy of Microsoft. Outreach such as this goes a long way to promote STEM careers to young women and further helps SDSU's reputation as a diverse place of study. Great job Tracy!



University Relations and Development's Newsletter, *The URAD Times*, recently gave praise to two SDSU Faculty Members for their outstanding efforts in development. Both faculty happened to be from the College of Engineering!

Ken Walsh successfully asked the J.R. Filanc Construction Company to make a lead pledge of \$100,000 over the next four years to support a new faculty line for the J.R. Filanc Construction and Engineering Management (CEM) program. This additional gift re-enforces the Filanc family's commitment to CEM's success and reflects their trust in Ken, our students and the university's commitment to honoring their investment. This lead contribution will also serve as a challenge for other industry partners to make the same investment, helping us reach our goal of fully funding the position with annual funds over the next three years. Congratulations Ken!

Bruce Westermo successfully secured a \$32,000 gift from the Girard Foundation for Project Lead the Way (PLTW). The gift will provide support for various programs at PLTW's San Diego affiliate office, located at SDSU. Thanks Bruce!

Meet the College's Newest Staff

Samantha Loveira is the Department Coordinator for Mechanical Engineering and has been working in the college for just over a year.



Samantha was born and raised in Los Angeles, California. She received her BA in English from California State University, Northridge in 2006.

Afterward, she spent a year working with the Director's Guild of America, before moving to San Diego and joining the staff at SDSU. She is currently pursuing her MA in English from SDSU with an emphasis in Children's Literature. Her hobbies include writing, reading, vegan cooking and baking, and travel. Samantha has recently joined San Diego's only full contact roller derby league, the Renegades. She is also currently penning her first young adult novel.

Alumni Events Held

The Spring 2009 College of Engineering Alumni Mixer was held on Thursday, April 23rd at Trophy's Restaurant in La Jolla. There was a great turnout with alumni from various departments showing up to reconnect and network. Thank you to all of the faculty members who attended!

An additional alumni event was held on April 30th in San Jose at the Loft Bar and Bistro. At this event, Dean Hayhurst and Development Officer Christa Farmer hosted a sit down dinner with a small group of the College's key alumni in the Bay Area.

In the upcoming months please look forward to similar alumni events as well as department only development and networking events. Thus far these events have proven to be a great success, with one alumnus pledging \$4,000 to the college just days after attending our event in La Jolla!

Research Corner—Projects Submitted & Awards Granted in April

Name	Dept	Title of Project	FA	Status
Dr. Edward Beighley	CCEE	Flood Risk Analysis for the Continental United States Using Pfafstetter Flood Cell Boundaries	FMIC	Awarded
Dr. Asfaw Beyene	ME	Clean Energy Application Center	UC Berkley	Submitted
Dr. Fatih Buyuksonmez. Co-pi(s) C. Milberg, E. Beighley	CCEE	Emissions of GHGs Resulting from Green Waste Composting	SJV UAPCD	Awarded
Dr. Arif Ege Engin	ECE	Simulation, Modeling and Characterization of Copper Surface Roughness for Ultra High-Speed Systems	SRC	Submitted

Dr. David T. Hayhurst. Co-pi Donna Goyer	DNS	Math, Engineering, Science Achievement (MESA) Math Engineering Program (MEP)	UCOP	Awarded
Dr. David T. Hayhurst.	DNS	Math, Engineering, Science Achievement (MESA) Math Engineering Program (MEP)	RUC	Awarded
		MESA San Diego MSP North County Capacity Building Initiative	UCOP	Submitted
		MESA MSP Programs / Imperial Valley Site	UCOP	Submitted
		Math, Engineering, Science Achievement (MESA)	UCOP	Awarded
Dr. Gustaaf Jacobs	AE/EM	High-Order Particle-Mesh Algorithms Based on Hybrid WENO-Spectral Methods for Simulation of High-Speed Particle- and Droplet-Laden Flows	DOD/AFOSR	
Dr. Samuel Kassegne	ME	Chip Design and Non-energetics Laboratory Testing of MEMS-based Micro-initiators	GAC	Submitted
Dr. Sunil Kumar	ECE	Design of Intelligent H.264 Video Packetization for Airborne Wireless Networks	DOD/AFRL	Awarded
Gordon Lee. Co-pi(s) Eric Frost, Barry Janov	ECE	Linked Oil Spilled Model for Pearl Harbor Theoretical Analysis, Explanatory Studies and Technical Services	SPAWAR SPAWAR	Awarded Awarded

FMIC = Factory Mutual Insurance Company
 SJV UAPCD = San Joaquin Valley Union Air Pollution Control District
 SRC = Semiconductor Research Corporation
 UCOP = University of California Office of the President
 RUC = Regents of the University of California
 AFOSR = Air Force Office of Scientific Research
 AFRL = Air Force Research Lab