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Selected as SDSU’s Actel Warrior
Aerospace engineering
Senior Oscar DeLeón beat out 19 other hopefuls to become one of two new Actel Warriors.

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Nameable sophomore Katelyn Weddle is a precautionary measure only.

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SDSU’s Baja SAE Team

Completing a senior design project in Mechanical Engineering is not easy.

This year, a group of five ME seniors has chosen to take on a particularly difficult task and build a single-seat off-road vehicle to compete in the 2011 Baja SAE Competition.

To fare well in the competition, the vehicle must be built to survive the severe punishment of rough terrain that includes mud, large rocks and water.

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ME Faculty Expertise Highlighted at TMS Conference

Minerals, Metals & Materials Society

TMS 2011 Conference logo

SDSU was well represented at the 140th annual meeting and exhibition of the Minerals, Metals & Materials Society (TMS) at the San Diego Convention Center, February 27-March 3, 2011. The conference, one of the top materials science conferences in the world, provided the opportunity for materials science and engineering professionals from over 68 countries to network, present research, share industrial applications and introduce innovation.

Leading SDSU’s participation in the conference for SDSU here Drs. Rand German, Khalid Morsi and Eugene Olevsky, along with several graduate students engaged in SDSU research.

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College Welcomes Patricia Reily

Veterans’ Internship Coordinator

SDSU’s new Veterans’ Internship Coordinator, Patricia Reily, has been doing just that.

Since it signed on the door.

She will then connect with over 68 countries to network, present research, share industrial applications and introduce innovation.

Dr. Reily said of the benefits to both students and industry. “I feel like a Hollywood talent agent!”

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Tracking the Dean

March 13-14
Dean Hayhurst will travel to Washington DC to make a presentation to the Directors of YPF on Design to Engineer.

March 18
Dean Hayhurst will attend the ACSME Annual Meeting of Directors.

March 21
Dean Hayhurst will participate in the CONNECT Board of Directors Meeting.

March 31
Dean Hayhurst will attend CONNECT’s Hall of Fame Luncheon honoring technology trailblazer Gene Ray.

April 9
Dean Hayhurst will attend the Farewell Gala for President Weber.

April 10-11
Dean Hayhurst will travel to the Engineering Dean’s Institute in Palm Springs.

April 14
Dean Hayhurst will participate in the UCSD Research Day.

April 16
Dean Hayhurst will attend the Farewell Luncheon for Prov. and Srs. Who retired by Appointment.

April 26
Dean Hayhurst will attend the Black Society’s annual dinner.

April 28
Dean Hayhurst will participate in the Joan & Art Center Dedication.

E-209 has been transformed to a welcoming office with magazines, cookies and a welcome sign by the door. Dr. Patricia Reily, the room’s new occupant, is the College of Engineering’s new Veterans’ Internship Coordinator, a position funded through the National Science Foundation (NSF) SERVICE grant. The SERVICE Program’s goal is to place engineering veterans students into internships with industry partners. Dr. Reily’s focus will be to develop solid relationships with companies who can benefit from the employment of veterans. She will then connect with engineering students who are military veterans to place them in internships that are right for them. “It’s a win-win,” Dr. Reily said of the benefits to both students and industry. “I feel like a Hollywood talent agent!”

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NBC News Interviews Drs. Fred Harris and Madhu Gupta

You have ever wondered why airline passengers are required to turn off cell phones during flights? Electrical and Computer Engineering’s Dr. Fred Harris and Dr. Madhu Gupta appeared on the NBC nightly news Monday, Feb. 21, 2011 to discuss just that. According to them, expert consensus is that everyone on a flight could leave their cell phone on with no adverse effects. Below 10,000 ft, the airline requirement that phones be turned off is a courtesy to call-phone service providers on the ground who don’t want to deal with the rapid handoff of phones between cell boundaries. Above 10,000 feet it is a precautionary measure only.

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Engineers Without Borders - Project Honduras

In 2007, the SDSU Chapter for the non-profit humanitarian engineering organization Engineers Without Borders was established on campus with a mission to support community-driven development projects worldwide. Since its establishment, the SDSU student chapter has been doing just that. Having started by contributing to water treatment projects in...
Tijuana, EWB-SDSU worked last semester to create and spin-off a sister organization called HandS (Humanitarians and Sustainability) which continues to lead a clean water project in the Dominican Republic.

HandS - Project Dominican Republic

HandS - Project Dominican Republic

Humanitarians and Sustainability, or HandS, is a nonprofit SDSU student organization partnering with Engineers Without Borders, the SDSU Sports MBA program and the Padre Foundation to implement community development projects in the Dominican Republic. While many major league baseball franchises operate talent development facilities in the Dominican Republic, large disparities exist between those facilities and the surrounding communities.

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Alumni in the Spotlight

Peggy Johnson

It was while Peggy Johnson was delivering mail on campus and talking to administrative staff in Electrical Engineering that she decided to change her major to engineering, veering off the path to a degree in business. Considering how successful she is today, earning a bachelor's degree in electrical engineering from SDSU may have been one of the best decisions she’s ever made.

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Dr. Yusuf Ozturk Recognized in Turkish Press

Electronic monitoring of offenders may not be the first thing most people associate with electronic and computer engineering, but it was a hot topic of discussion in Turkish newspapers and television reports this past winter break, thanks to the College’s Dr. Yusuf Ozturk.

Dr. Ozturk was invited by the Turkish Ministry of Justice to travel to Turkey in January and deliver a presentation to Turkish judges and prosecutors on the electronic monitoring of offenders in the United States. The group was particularly interested in the potential use of this technology to keep the population in Turkish prisons under control.

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Dr. fred harris Lectures

Dr. fred harris gave several lectures recently that highlight his research and the expertise of College of Engineering. Invited to speak as part of the UCSD graduate studies Invited Speaker Program on Feb. 4th, he discussed synchronization techniques for digital receivers and new ways of solving old problems related to communication systems. "Originally, if you wanted to receive 400 channels, you needed 400 receivers. Now it all fits into one," said Dr. Harris. He recently worked on a project that compacted an entire room of radio receivers into one 4" x 9" x 12" box.

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Research Corner

Click here for Sizeable Chart