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ENGINEERING NEWS

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Events

Aug. 23 - Faculty Retreat & Faculty/Staff Dinner

Faculty Honors



Dr. Subrata Bhattacharjee
Outstanding Engineering Educator

Mechanical Engineering's Dr. Subrata Bhattacharjee received the Outstanding Engineering Educator Award from the San Diego County Engineering Council.....
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Drs. Eugene Olevsky & Rand German
Fellows of American Ceramic Society

Drs. Rand German and Eugene Olevsky are now Fellows of the American Ceramic Society (ACerS), after being unanimously selected.....
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Dr. Allen Plotkin
Recognized for Outstanding Contributions to Aerospace Education

Dr. Allen Plotkin was awarded the American Institute of Aeronautics and Astronautics (AIAA) San Diego Section 2011 award for outstanding Contributions to Aerospace Education.....
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Dr. Satchi Venkataraman
Receives Northrop Grumman Excellence in Teaching Award

Dr. Satchi Venkataraman, Aerospace Engineering and Engineering Mechanics, was awarded the Northrop Grumman Excellence in Teaching award.....
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Dr. Rand German
Awarded Bronze Medal at Malaysia Technology Expo

Dr. Rand German, Associate Dean, has recently been recognized with a bronze medal awarded by the Malaysian Association of

College Graduates over 500 Students in Largest Commencement Ceremony Ever



On May 20, 2011 the College of Engineering conferred a record 534 degrees at our 2011 Commencement Ceremony, the largest graduating class in the College's history and an increase of almost 10% from the previous year. This number is significantly higher than just five years ago when 353 students applied for graduation.

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Dr. Julio Valdes Named Senate Distinguished Professor



Julio Valdes, Construction and Environmental Engineering, is SDSU's 2010-11 Senate Distinguished Professor. The SDSU University Senate honored Dr. Valdes and five awardees for 2010-11 from other colleges at a presentation on Monday, April 25, where Dr. Valdes gave a lecture titled, "Clastic Soil Mechanics."

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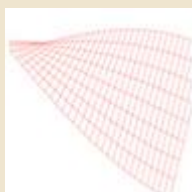
Engineering Scores High in SDSU's Student Research Symposium



Engineering students and their faculty mentors entered over 50 poster and oral presentations at SDSU's annual Student Research Symposium on March 4-5, 2011 at Aztec Center. The SRS gives students across campus the opportunity to present their original research, scholarship and creative activities through poster or oral presentations.

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Italian Fulbright Scholar Studying Aerospace Engineering at SDSU



A Fulbright scholarship is one of the most difficult to attain and involves months of rigorous reports, oral examinations, and more. It's all worth it, however-just ask Marco Petrolo.

Petrolo is an Italian Ph.D. student in Aerospace Engineering from politecnico di torino

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Dr. Andrew Szeto External Reviewer at CSU Long Beach



Dr. Andrew Szeto served as an invited external reviewer for SCU Long Beach's Master of Science in electrical Engineering (MSEE) program March 22-23, 2011..

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Alumni Spotlight

Meet Wendy Martinez



Wendy Martinez, an SDSU Electrical Engineering alumna and former Society of Hispanic Professional Engineers (SHPE) leader, is Principal Electric Engineer of the Integrated Defense Department for Raytheon, with a list of extraordinary accomplishments.

The first in her family to receive a college education, Martinez is now responsible for overseeing multimillion dollar contracts for system engineering design and installations onboard United States Navy LPD17 Amphibious Transport Class ships.

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Our Students!

Construction and Electrical Engineering Students Tackling Green Energy Challenge



The 2011 ELECTRI International Green Energy Challenge for National Electrical Contractors Association (NECA) student chapters is on! To compete, a team of SDSU Construction Engineering and Electrical Engineering students from SDSU's brand new NECA Student chapter are collaborating to identify ways to best save electricity in the University Towers dorm structure on campus.

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Research Scientists for his contributions.....
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Thomas Johnston Honored as Favorite Faculty

Mechanical Engineering's Tom Johnston recently was selected one of 25 Favorite Faculty on campus by the Residential Education Office.....
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K-12 Outreach to Tomorrow's Engineers



MESA Day Competitions

It's been a busy few months for the MESA (Mathematics, Engineering, Science Achievement) middle and high school students all around San Diego County. All of their hard work designing, creating, testing and refining their engineering, math and science projects....
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College of Engineering

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MEP Olympics and Robotics Challenge Event



SDSU's MESA Engineering Program (MEP) competed in the 18th Annual MESA Olympics and Robotics Competition on Saturday, April 30, 2011 at San Diego City College.

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AGC Students Compete in Associated Schools of Construction Competition



SDSU Construction Engineering and Management students participated successfully in the challenging Associated Schools of Construction (ASC) Student Competition, also known as the Reno Competition in February 2011. The competition is well-recognized by future employers as an excellent real-world experience.

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MEP Training Academy



Caltrans hosted a MESA Training Academy on March 18, 2011 for students from the MESA programs at San Diego State University, along with San Diego City College and Southwestern College.

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Research Highlights

Dr. Ashkan Ashrafi Creates New DSP and FPGA Lab



Dr. Ashkan Ashrafi, Electrical and Computer Engineering Assistant Professor, along with Dr. Christopher Paolini, the College's Operating Systems Analyst, have created a new Real-Time DSP (Digital Signal Processing) and FPGA (Field Programmable Gate Array) Development Lab.

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NAVAIR / SDSU Partner on Advanced Aircraft Research



On March 23, 2011 Drs. Satchi Venkataraman, Luciano Demasi, and Randall German were invited to a VIP tour of the Fleet Readiness Center Southwest, NAVAIR, North Island. During the tour they met with a group of senior technical managers who lead the materials and structures work at NAVAIR to discuss areas of research collaboration and student training.

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Research Proposals

Name	Department	Title of Project	FA	Status
Dr. Khaled Morsi, Co-pi(s) Dr. Samuel Kassegne, Dr. Kee Moon	ME	Novel Current-activated Tip-based Sintering - REU Supplement	NSF Directorate for Engineering	Awarded
Dr. Satish Sharma	ECE	Investigation of a Compact Planar Electronically Frequency Reconfigurable Wideband Millimeter-Wave Phased Array Antenna	National Aeronautics and Space Administration	Submitted
Dr. Edward Beighley	CCEE	Enhancement of GRACE Temporal Gravity Field Solutions to Study Terrestrial Water Dynamics in the Congo Basin	Ohio State University (The)	Submitted
Dr. Arif Engin	ECE	Electromagnetic Modeling and Characterization of a Novel Planar Inductor Design	IQ-Analog	Submitted
Dr. David Hayhurst	DNS	Math, Engineering, Science Achievement (MESA) MESA Schools Program (MSP)	University of California Office of the President	Submitted
Dr. Satish Sharma	ECE	Platform Independent Omni-directional Antennas, Phase 2	NextGen Aeronautics	Awarded
Dr. David Hayhurst	DNS	Math, Engineering, Science Achievement (MESA) Mesa School Program (MSP)-Imperial Valley	University of California Office of the President	Submitted
Dr. Fletcher Miller	ME	Sandia Solar Thermal Storage Budget	DOE Sandia National Laboratories	Awarded
Dr. Sunil Kumar	ECE	Model-Based Sensor Placement for Diagnosis and Control in a Circulating Fluidized Bed	Clarkson University	Submitted
Dr. Temesgen Garoma	CCEE	Algal Methane Gas as a Carbon-Neutral Energy Source	University of California at San Diego	Submitted

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