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QUARTERLY NEWSLETTER

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center

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Congratulations!

Please join us in congratulating our first cohort of IDEA Scholars who will be graduating in 2015 and 2016. Our IDEA Scholars, all of whom participate in our Summer Pre-Engineering Program, are predominantly from groups that are underrepresented in engineering and/or first in their family to graduate with a bachelor degree. 77% of our 1st IDEA Scholars' cohort are enrolled and graduating in an engineering major, in comparison to 54% of the 2011 incoming freshmen class who are from the same demographic population.

We will be holding our Inaugural IDEA Scholars Graduation Reception on May 27th to celebrate this great achievement.

Class of 2015

Daniel Kaminski, Mechanical Engineering

Rene Martinez, Chemical Engineering

Ann Meek, NanoEngineering

Ismael Munoz, Bioengineering

Daniel Salvadori, Electrical Engineering

Kayse Sheppard, Structural Engineering

Cindy Trinh, Bioengineering

Kristoffer Wilkerson, Electrical Engineering

Class of 2016

Jasmin Hurtado, Bioengineering

Nicholas Montoya, Mechanical Engineering

Rogelio Nunez Flores, Bioengineering

Gladys Ornelas, Bioengineering

Barbara Samano, Aerospace Engineering

Anjelica Thang, Computer Engineering

James Torres, Structural Engineering

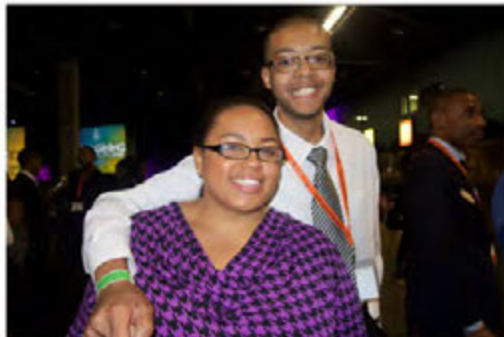
Nathan Woodward, Mechanical Engineering

National Society of Black Engineers

Annual Convention 2015

Anaheim, CA | March 25 - 29

The UC San Diego chapter of NSBE made a quick trip to Anaheim to attend the five day annual National Convention. Thousands of people from around the nation gathered from universities, industry, non-profit, government, and private sectors.



Society of Hispanic Professional Engineers

Region 2 Leadership Development Conference

University of Southern California

Los Angeles | April 9 - 12

The UC San Diego chapter of SHPE drove up to Los Angeles to attend the regional conference to meet up with the rest of the southern California chapters. Attendees included members from collegiate, professional, and regional committees.



12th Annual UC San Diego
Overnight Program



ENGINEERING OVERNIGHT STAY PROGRAM



The IDEA Student Center hosted its 3rd Annual Jacobs School of Engineering – IDEA Student Center Overnight Program on April 2-4, 2015. The Overnight Program is offered in partnership with the Student-Initiated Access Programs and Services, Black Resource Center, Black Student Union, and the Raza Resource Centro. This free 3-day, 2-night program provided 67 high school seniors who have been admitted in engineering majors with an opportunity to connect with Jacobs School students, faculty and alumni; learn about academic and student resources available at the School of Engineering and UC San Diego; and experience the university environment and campus life. Many thanks to the 55 current engineering students who served as host and mentor for the participants throughout the duration of the program!

GRADUATE SPOTLIGHT

YAWO EZUNKPE

**Mechanical and Aerospace Engineering
Ph.D. Candidate**



Congratulations to Yawo for being one of six UC San Diego doctoral candidates named to national Bouchet Graduate Honor Society, which supports students traditionally underrepresented in academia.

Yawo's research interests include fluid mechanics and applied and computational mathematics. His dissertation focuses on stochastic analysis of fluid flows in domains whose rough surfaces are modeled as random fields. His work addresses some of the unresolved theoretical and practical questions concerning differential equations defined on random domains. It has significant impact on biological flows and could be extended to other areas where surface roughness affects fluid flows, such as environmental engineering and nanoscale devices.

FACULTY SPOTLIGHT

DR. CARLOS COIMBRA

Mechanical and Aerospace Engineering

The IDEA Student Center would like acknowledge and thank Dr. Carlos Coimbra for serving five years as the Faculty Director of the IDEA Student Center. Carlos has been instrumental in supporting, engaging, and retaining our undergraduate engineering students. He has supported the Center on a number of its programs and events and will continue to be involved as a Faculty Board member for the Center. We are pleased to welcome the Center's new faculty Director, Dr. Olivia Graeve.





SLOAN FOUNDATION

UC San Diego is one of three institutions selected by the Alfred P. Sloan Foundation for a partnership to support underrepresented graduate students in STEM fields. The three-year, multi-million dollar initiative is an expansion of the Sloan Foundation's Minority Ph.D. Program. As part of the partnership, UC San Diego will establish a University Center of Exemplary Mentoring (UCEM) that will provide scholarships to minority doctoral students as well as coordinate faculty and peer mentoring, research opportunities, workshops and other programs to help students succeed. UCSD-UCEM is a collaboration between the Jacobs School of Engineering, Physical Science Division, and the Graduate Division. The Jacobs School will expand upon the graduate mentorship program and professional development program that includes strategic initiatives laid out in the IDEA Student Center's Student Success Initiative Plan at the Jacobs School of Engineering.

IDEA-NASA SCHOLARSHIP

The IDEA-NASA Scholarship recipients are nominated by IDEA Engineering Faculty Board members. Scholarship recipients must demonstrate academic excellence, advanced research skills, and well-written research proposals that will contribute and/or advance the goals/objectives of NASA. Congratulations to the following recipients:

Adam Li, Bioengineering, Mathematics-Applied Science
Monique McClain, Aerospace Engineering
Amanda Beck, Bioengineering
Daniel Gehlbach, Bioengineering: Biotechnology
Eric Mauritzen, Computer Science, Specialization in Bioinformatics
Joshua Parzivand, Aerospace Engineering
Nancy Ronquillo, Aerospace Engineering
Victoria Stanley, Nanoengineering
Hyunjin Jason Cha, Structural Engineering
Jessica Cho, Psychology
Kenia Duque, Computer Engineering



NSF FELLOWSHIP RECIPIENTS

Congratulations to Eduardo Valle and Daniel Rodriguez, both of whom won an NSF Fellowship and will be continuing research with Dr. Darren Lipomi, IDEA Faculty Board member. Daniel is a current B.S./M.S. student in Dr. Lipomi's lab will continue on next year as a Ph.D. student. Eduardo is a Chemical Engineering senior and also works in Dr. Lipomi's lab.

BREAKFAST WITH THE DEANS

JACOBS HALL LOBBY - SATURDAY, APRIL 4

FRIENDLY SMILES, YUMMY BREAKFAST, AND A WELCOMING GROUP OF FACULTY, STUDENTS, AND STAFF.



THE ANNUAL BREAKFAST WITH THE DEANS EVENT FOR ADMITTED ENGINEERING FRESHMEN WAS JAMPACKED! TRITON DAY WAS A BIG SUCCESS FOR THE IDEA STUDENT CENTER ONCE AGAIN! THANK YOU TO NSBE, SHPE, AND SWE FOR HOSTING THE ADMITTED STUDENTS AND THEIR FAMILIES AS WELL AS ALL THE STAFF, FACULTY, AND VOLUNTEERS WHO SUPPORTED US.



TRITON DAY TABLING

SATURDAY, APRIL 4

THE IDEA STUDENT CENTER TEAM WAS OUT IN THE SUN ANSWERING QUESTIONS FOR ADMITTED STUDENTS AND THEIR FAMILIES.



EMPOWER UC SAN DIEGO SHPE HIGH SCHOOL CONFERENCE

APRIL 25, 2015



Empower is a free all-day program that exposes high school students to pursue a future in engineering. The event featured tours of engineering labs, computer programming activities, robot building, and a water rocket launch. This year, SHPE hosted over 200 local 8-12th graders in efforts to empower and encourage them to achieve their full potential by being fully informed and pursuing a higher education.



SCITECH VISIT TO UC SAN DIEGO

FRIDAY, APRIL 24, 2015

The IDEA Student Center has partnered with the San Diego Reuben H. Fleet Science Tech Program for 4th-6th grade girls. Three times a year, the IDEA Student Center plans a project-based learning activity for 70-80 girls and invites them to UC San Diego's Jacobs School of Engineering to showcase women in engineering. The goal(s) of the partnership is to build self-confidence, foster an interest in STEM, make science accessible for historically underrepresented girls from local San Diego area schools.

Congratulations!

Class of 2015

Engineering Graduates

Please join us in congratulating some of the graduating engineering students who have been involved with diversity engineering student organizations through the IDEA Student Center. Members of the NSBE, SHPE, and SWE chapters at UC San Diego have applied their engineering skills outside the classroom, gained invaluable leadership skills, and made positive impacts in the community both on campus and the local San Diego areas at large. Before their departure, we asked them *“What was your most memorable experience as an engineering student at JSOE?”*

Joel Bahena, Nanoengineering
Jonathan Bravo, Mechanical Engineering
Liliana Busanez, Chemical Engineering
Denali Dahl, Nanoengineering
Samantha Jumamil, Structural Engineering
Sally Law, Electrical Engineering
Nicole Lee, Chemical Engineering
Vladimir Lobato, Chemical Engineering
Faviola Loera, Mechanical Engineering
Sandra Medina, Mechanical Engineering

Anthony Millican, Aerospace Engineering
Rocio Pena, Chemical Engineering
Tessa Rogers, Structural Engineering
Nancy Ronquillo, Aerospace Engineering
Jacqueline Tran, Environmental Engineering
Marcos Valencia, Engineering Science
Cesar Villa, Mechanical Engineering
Kimberly Wang, Bioengineering: Biotechnology
Alive Xiao, Chemical Engineering
Amanuel Weldemariam, Nanoengineering

“Interviewing Dr. Irwin Jacobs at SHPE's Region 2 Leadership Development Conference.”
- Faviola

“I really enjoyed being a member and officer of SWE. I have met some of my closest friends through SWE and my involvement with the org has been a large source of my personal and professional development throughout my college years.” - Jacqueline

“Being part of SHPE and helping make engineering life easier and within reach for our members.” - Jonathan

“Meeting good friends in my classes and struggling through school together.” - Kimberly

“Being involved, working on projects in the lab, and forming my engineering family.” - Rocio

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Photos: Triton Day Resource Fair Tabling, Breakfast with the Deans

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