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QUARTERLY NEWSLETTER

student
center

idea



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Meet the Staff of the IDEA Student Center



Michelle Ferrez

Director | mferrez@ucsd.edu

What does the IDEA Student Center mean to you?

It is important that all of our engineering students feel a sense of community and a sense of belonging the moment they enter the engineering school, whether it be at the undergraduate or graduate level. Providing structured programming whereby students are linked to peer/graduate/faculty/industry opportunities that develops academic and professional skill-sets throughout their educational career.

What TV shows are you currently into?

Anthony Bourdain's *Parts Unknown*. I would love to have his job!



Gennie Miranda

Assistant Director | gbmiranda@ucsd.edu

What does the IDEA Student Center mean to you?

Community, belonging, and academic success! We're all about empowering and supporting our students to achieve their goal of becoming Engineers, and I'm so blessed to be part of each of their own individual journey.

What TV shows are you currently into?

I tend to go more for the dramas: *Revenge*, *How to Get Away with Murder*, *Scandal*, *Grey's Anatomy*, and *Nashville*.



Melinda Beyerle

Student Life Coordinator | mbeyerle@ucsd.edu

What does the IDEA Student Center mean to you?

IDEA Center, to me, means student orgs! My primary role is to help advise all 35+ engineering students orgs from across the school, supporting them throughout the year with their programs, activities and initiatives. Whether it's to help plan an event, recruit membership, or draft a funding request letter, it's my main job to help them out!

What TV shows are you currently into?

Well, until *Mad Men* resumes, I'm obsessing over *Scandal*. I'm totally binge watching on *Netflix* right now to catch up to the current season. Can't get enough of all the crazy DC drama.



Victor Betts

Student Life & Diversity Co. | vbetts@ucsd.edu

What does the IDEA Student Center mean to you?

I work with diversity engineering orgs and I'm the Advisor for NSBE, SHPE, and SWE. I provide support for all their programming, activities, and group initiatives. I also manage the weekly E-News for undergrads, quarterly digital newsletter, and social media. The center is a place that helps engineering students find direction as they navigate life at the university.

What TV shows are you currently into?

I recently finished season 2 of *The Following* and season 4 of *The Walking Dead*. Now I'm watching season 9 of *Supernatural*,



Connie Xu

Administrative Assistant | idea@soe.ucsd.edu

What does the IDEA Student Center mean to you?

The IDEA Student Center provides resources and fosters an environment that supports engineering students in their endeavors outside of the classroom. At the front desk, I am responsible for handling inquiries and assisting the staff in their programs and events.

What TV shows are you currently into?

I'm still catching up on old seasons of *Sherlock* and if I get the chance, I watch the *Big Bang Theory*.

Meet Our Other Staff!



Alex Buitimea
Computer Engineering
Junior



Renn Darawali
Environmental Engineering
Senior



Rocio Peña
Chemical Engineering
Senior



Susana Burgess
Student Outreach

Sixth Annual PROFESSIONAL EVENING WITH INDUSTRY



Top: PEI Planning Committee, Presidents of NSBE, SHPE, & SWE with Keynote Speaker Jose Corleto of Qualcomm. Left: PEI Career Fair with 19 Companies recruiting engineering students. Right: PEI Networking Dinner.

The Sixth Annual Professional Evening with Industry (PEI) took place on Monday, October 20, 2014 in the Price Center West Ballroom. The National Society of Black Engineers (NSBE), the Society of Women Engineers (SWE) and the Society of Hispanic Professional Engineers (SHPE) planned together to create this exceptional annual event to build a bridge between all three sectors within the engineering field: the student, the professional, and the community. This year's event brought a total of 18 companies who were looking for potential job and internship hires. A PEI Prep Day was held the Friday before PEI where registered students had the opportunity to work on networking skills and resumes with industry professionals.

SHOUT OUTS!

Outstanding
Accomplishments

CONGRATULATIONS TO THE SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

SHPE sent a total of 25 students to the National Conference in Detroit, Michigan last week, with four students presenting either papers or posters!

WAY TO GO! THE SOCIETY OF WOMEN ENGINEERS

SWE attended their National Conference in Los Angeles this past October! A total of 16 members made their way to to the conference, way to go!

GOODLUCK TO THE NATIONAL SOCIETY OF BLACK ENGINEERS

NSBE is preparing to attend their Regional Conference in San Francisco this week! Safe travels and best of luck to all members attending!

CHANCELLOR'S ASSOCIATE SCHOLARS

Congratulations to the New Engineering Chancellor's Associates Scholars! Through the Chancellor's Associates Scholarship program, the university provides \$10,000 a year for four years at UC San Diego to each eligible student. When combined with the University of California's Blue + Gold Opportunity Plan—which covers fees for California residents whose families earn less than \$80,000 a year and qualify for financial aid—the scholarships effectively provide a full-ride to UC San Diego.

Freshmen:

Ai-My Pham | Computer Engineering | Preuss School
Annalisa Vilaysing | Aerospace Engineering | Lincoln High School

Transfer Students:

Martin Cortez | Chemical Engineering | Imperial Valley College
Juan Elizarraras | Electrical Engineering | Imperial Valley College
Burgundy Fletcher | Chemical Engineering | Palomar College
Ruben Huerta | Electrical Engineering | Imperial Valley College
Jose Lizarraga | Structural Engineering | Imperial Valley College
Justino Guerrero | Electrical Engineering | San Diego City College
Christopher Marshall | Electrical Engineering | San Diego City College



1ST ENGINEERING WINKLER SCHOLAR

ALEJANDRO VALDIVIA



Alejandro Valdivia
Engineering Winkler Scholar
& IDEA Scholar 2014 Cohort

FRESHMAN / STRUCTURAL ENGINEERING
HOME TOWN: SAN DIEGO / HIGH SCHOOL: MISSION BAY HS

Alejandro is the inaugural recipient of the Olivia J. and Martin K. Winkler Engineering Scholarship. This scholarship is awarded to a low income, first generation student who was admitted to the Jacobs School of Engineering with a Math SAT score of 700 or higher, and in the top 1/3 of the UCSD admitted engineering class. As a first-generation Mexican-American college student, Alejandro faced many obstacles on his journey to higher education, both financially and culturally. Upon receiving the news that he's the recipient of the Winkler Scholarship, Alejandro indicated that "I was completely ecstatic as I knew that a good portion of my fiscal ordeal would be dismissed."

During his 10th grade year, Alejandro attended a Mechanical Engineering and Materials Science summer course at UC San Diego and had his first ever hands-on engineering experience watching pretentious pillars fall practically to his feet, inspiring him to become a Structural Engineer. Alejandro's goal is to make a global impact in low-income countries through non-profit engineering organizations, as well as promoting and expanding the exposure of engineering to the youth in his neighborhood here in San Diego.

WHERE ARE THEY NOW?

JUSTIN CADLAON

"If things go right
I hope to be
admitted as a
masters
electrical engineer
here at UCSD."

Graduation Year:
Class of 2014

Major:
Nanoengineering

Accomplishments:
*The very first graduating African
American from the Nanoengineering
program at UC San Diego
*Provost Honors

Currently:
Working in a lab at the Center of
Magnetic Recording Research
(CMRR)



2014 IDEA SCHOLARS

A Quick Glance of the 2014
IDEA Scholars Cohort!

51 New engineering freshmen
68% First-generation college students
58% Underrepresented minority students
47% Women



STUDENT SPOTLIGHT



LAUREN CRUDUP
SENIOR - BIOENGINEERING

Congratulations to Lauren Crudup
and her team for receiving a
Gold Medal at the International
2014 IGEM competition. Gold

medalists were awarded to the top
teams that had outstanding projects

and thorough documentation. The International Genetically
Engineered Machine competition (iGEM) is the premiere un-
dergraduate Synthetic Biology competition. Student teams
are given a kit of biological parts at the beginning of the
summer from the Registry of Standard Biological Parts.
Working at their own schools over the summer, they use these
parts and new parts of their own design to build biological
systems and operate them in living cells.



STUDENT SPOTLIGHT

JAIME REGIS

Senior | NanoEngineering | Pledge Marshal of Theta Tau

Congratulations to Jaime who will be pursuing his Master's degree through the M.S./B.S. program in NanoEngineering at UC San Diego. Jaime currently performs research in Dr. Olivia Graeve's lab in triboluminescent materials for structural health monitoring.

What does the IDEA Center mean to you?

The IDEA Center is a pivotal resource center for both undergraduate and graduate students. Without the IDEA Center I would not have been aware of the opportunities that have led to my success in pursuing a more fulfilling education.

What words of advice would you like to share with current students?

Be patient. Have perseverance and determination. And above all, love what you do.

NSBE JR. CHAPTER SUCCESS!

TOWN & COUNTRY LEARNING CENTER

The mission of the National Society of Black Engineers (NSBE) is to increase the number of culturally responsible Black engineers who excel academically, succeed professionally and positively impact the community. The UC San Diego NSBE Chapter has continuously fulfilled the NSBE mission by the establishment of NSBE Jr. Chapters at local San Diego High Schools. NSBE Junior strives to stimulate student interest in technical fields such as science, mathematics, and engineering. In response to the lack of African Americans pursuing degrees in engineering and science, NSBE serves as a source to encourage students to attend college and pursue technical degrees. At the same time, UCSD NSBE recognized that although schools and teachers bear principal responsibility for children's education, having a supportive and stable home environment can complement the efforts of educators, leading to better student achievement in high school. In 2010, the UCSD NSBE student chapter began to work with Town and Country Learning Center located in Southeast San Diego, to increase the scholastic achievement of students who live in an affordable housing community. The goal was to create a pipeline of students who value academic success by providing peer mentorship ("buddies"), tutoring, and academic skill workshops. While many factors affect school outcomes among low-income children, including parental involvement and school quality, meeting



children's basic housing needs is a critical part of school readiness and academic success. In 2013, UCSD NSBE was able to formalize their work at Town and Country Learning Center by establishing the first NSBE Jr. Chapter at a community-learning center and creating an Academic Success Program for any middle/high school student living in the community. Through the "buddy system", NSBE JRs have attended local/national NSBE professional conferences, have participated in the San Diego NSBE Summer SEEK program (Summer Engineering Experience for Kids), and attend the Annual UC San Diego NSBE Leadership Banquet.

UC San Diego

Jacobs School of Engineering

IDEA Student Center

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Photos: 6th Annual Professional Evening with Industry Event hosted by NSBE, SHPE, and SWE. 10/20/2014

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