



FALL 2019 / WINTER 2020 NEWSLETTER

## DEAN'S MESSAGE

I hope you had an enjoyable Winter Holiday! With the start of 2020, I am happy to share a number of exciting developments for the College.

The research productivity of our faculty increased substantially. In 2019 compared with 2018, our College received 16.6% more in research award dollars. Our faculty obtained this funding through a 12.4% increase in the number of research projects.

SDSU continues its strategic investment in the College of Engineering. In addition to the College's four faculty positions currently open, our Construction, Civil, and Environmental Engineering and Mechanical Engineering Departments have been approved for six additional new faculty positions. All of the searches are underway.

The student enrollment in our Doctoral programs is at a historical high.

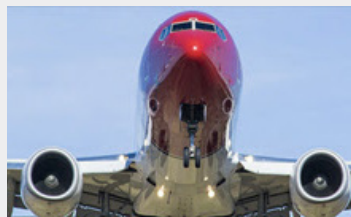
Our faculty members are scheduled to receive nine newly renovated labs in our main Engineering Building before June 2020.

We are looking forward to an exciting Spring 2020 semester!

Dr. Eugene A. Olevsky  
Dean, College of Engineering  
[www.engineering.sdsu.edu](http://www.engineering.sdsu.edu)



## FACULTY



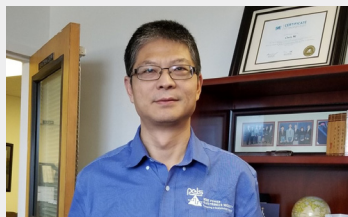
### What Caused Boeing's 737 Max Crashes

Dr. Joseph Katz, SDSU Aerospace Engineering Professor, has spent more than 30 years studying airplane crash reports and provides his analysis on what caused Boeing's 737 Max crashes. >>



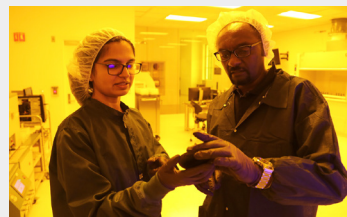
### 'Outdoor Lab' Fuels Critical Environmental Research

SDSU Engineering students and faculty are advancing wildfire, water and flora research at Alvarado Creek. >>



### Dr. Chris Mi Receives IEEE Power Electronics Emerging Technology Award

The award recognizes engineers and researchers who have made outstanding technical contributions to one or more emerging research topics in power electronics. >>



### Brain Implant Electrode Material Shows MRI Compatibility

In a study published in Nature Microsystems & Nanoengineering, Dr. Sam Kassegne's Lab demonstrated that glassy carbon microelectrodes developed at SDSU's NanoFab for deep brain stimulation (DBS) do not react to MRI scans, making them safer. >>

## STUDENTS



### Engineering Student Chosen as CSU Trustees Scholar

Tyler Perez, an Air Force Veteran, was chosen as the SDSU student to receive the honor this year. Tyler received the Trustee Jack McGrory Scholar award, which came with a \$6,000 scholarship. >>



### SDSU Aztec Baja Placed 3rd Overall in RIT Baja SAE Competition

The 2018-2019 Aztec Baja team finished 3rd overall for the season in the RIT Baja SAE Competition, the best finish in team history. The team competed against more than 90 university teams from around the world. >>



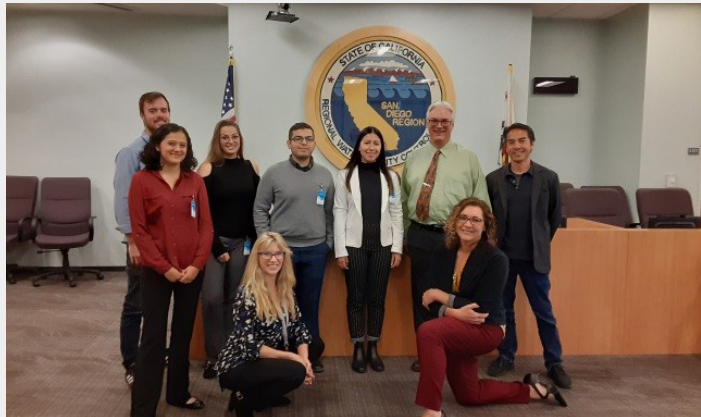
### Nikolas Marquez, SDSU Alumnus, Selected as CHCI Public Policy Fellow

Nikolas Marquez, SDSU Engineering Alumnus, '19 BSME with Bioengineering emphasis, has been selected as a Public Policy Fellow for the Congressional Hispanic Caucus Institute (CHCI), in the House Committee on Science, Space & Technology. >>

## COMMUNITY & OUTREACH



**Fall 2019 Femineers® Meet the Motorola Women of the West**  
Femineer® students from local San Diego County schools had the opportunity to participate in our first Femineers® Meet the Motorola Women of the West event. >>



**STEM-Focused Students Provided Job Shadow Opportunity**  
Students from SDSU, local colleges and high schools with a Mathematics, Engineering, Science, Achievement (MESA) program shadowed engineering and science professionals to experience the day at their respective workplaces. >>

## Donors



### "Where Are They Now?" Donor Story: Paul Stuverud

Alumnus Paul Stuverud ('71 BSEE and '76 MSEE) has made a gift to establish the "Paul Stuverud MESA Endowed Scholarship." >>



### Dr. Andrew Y.J. Szeto Makes Gift to Engineering

Dr. Andrew Y.J. Szeto, Emeritus Professor of Electrical and Computer Engineering and former Chair of the Department, has made a \$50,000 gift to the Rehabilitative Engineering and Assistive Technology Program. >>



### SDSU Troops to Engineers Recipient of Generous \$100,000 Gift

The Boeing Company has renewed its support for an innovative job-placement initiative at San Diego State University, announcing a \$100,000 contribution for the Troops to Engineers program. >>

## GIVING TO THE COLLEGE OF ENGINEERING

To learn more about [giving to the College of Engineering](#), please contact our Senior Director of Development: Kate Carinder - [kcarinder@sdsu.edu](mailto:kcarinder@sdsu.edu), or phone: 619-594-8264

STAY CONNECTED:

