



The College of Engineering Newsletter
Fall 2017 \ Winter 2018

Message from the Dean

Happy New Year! With the start of 2018, I am excited to report that the construction on the new Engineering and Interdisciplinary Sciences (EIS) Complex was completed in December 2017. Ten Engineering research labs, six instructional labs, the creative design studio and several student organizations are housed in the new Complex.

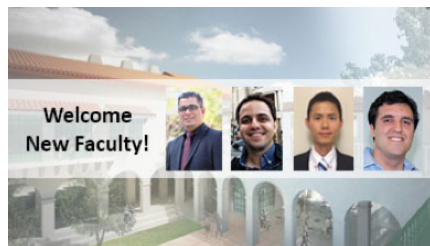
As we look back on our Fall 2017 semester, we have much to be proud of including the high impact of SDSU College of Engineering on the Engineering work force. Four of our programs have been ranked in the Top 50 for 'Engineering Bachelor's Degrees Awarded' according to the ASEE 2016 Edition of the Profiles of Engineering & Engineering Technology Colleges: Civil Engineering has been ranked 20th, while Computer Engineering, Mechanical Engineering and Electrical Engineering have been ranked 44th, 45th and 46th, respectively. In its 2018 listing of "best graduate schools in engineering," US News and World Report has ranked SDSU Aerospace Engineering graduate program No. 37 among the national universities.

We are looking forward to an exciting Spring 2018 semester and settling into the new EIS Complex.

Dr. Morteza Monte Mehrabadi
Dean, College of Engineering
www.engineering.sdsu.edu

WELCOME NEW FACULTY

The College of Engineering welcomed four new faculty who joined the College as Assistant Professors in Fall 2017. **Dr. Ahmad Bani Younes** (starting Spring 2018), Aerospace Engineering; **Dr. Matthew Verbyla**, Civil, Construction and Environmental Engineering; **Dr. Hakan Töreyn**, Electrical & Computer Engineering; and **Dr. Wenwu Xu**, Mechanical Engineering. [Read More>>](#)



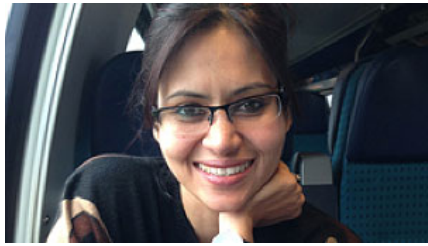
FACULTY RESEARCH

A Flash Forward for Manufacturing Technology

Dr. Eugene Olevsky, Distinguished Professor in the Department of Mechanical Engineering, along with postdoctoral fellow Charles Manière and Ph.D. student Geuntak Lee, have



developed a twist on traditional sintering called "flash spark plasma sintering." [Read More>>](#)



Creating Alternative Communication Highways

Dr. Mahasweta Sarkar, Associate Professor, Department of Electrical and Computer Engineering studies the use of brain-computer interface technology. [Read More>>](#)



International Research Experience for Environmental Engineering Students

Every summer for the past three years, Dr. Natalie Mladenov, Associate Professor, Department of Civil, Construction and Environmental Engineering, has been leading a National Science Foundation funded International Research Experience for Students (IRES) project in South Africa. [Read More>>](#)

Alumni Highlight



Daniel S. Goddard

('87, Aerospace Engineering), who is a member of the Senior Executive Service, and Director of Information Directorate at the Airforce Research Laboratory, was a recipient of the [2017 Monty Award](#). Mr. Goddard will be our distinguished 2018 Engineering Commencement speaker.

STUDENT ACCOLADES



[She's Got Something Unique](#)

SDSU Computer Engineering student Allison Langley has developed a skin cancer detection app.



[From Maintaining Machines to Restoring Limb Function](#)

SDSU Engineering student and Navy veteran, Laura Sandoval, is helping people with spinal cord injuries to regain the use of their arms and legs.



[Student Organization Spotlight: SHPE](#)

The SDSU Society of Hispanic Professional Engineers (SHPE) is a student organization with the goal of guiding Hispanic students interested in entering the science, technology, engineering and science (STEM) fields.

COMMUNITY & OUTREACH



[MESA Provides Job Shadow Opportunity for STEM-focused Students](#)

Students from 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 workplace.



[Connecting SDSU Students with Industry to Launch STEM Careers](#)

Twelve talented SDSU students descended on downtown Los Angeles in a step towards becoming the diverse leaders of tomorrow's tech and engineering workforce.

[Fall 2017 Girls Day Out: High School Edition](#)

Project Lead the Way (PLTW) and SDSU's Society of Women Engineers (SWE) hosted their annual Girls Day Out: High School Edition.



GIVING TO THE COLLEGE OF ENGINEERING



[SDSU Rocket Project Gets a Funding Boost](#)

The SDSU Rocket project student organization is a beneficiary of a gift from the National College Resources Foundation.

To learn more about giving to the College of Engineering, please contact: Carolyn Wheeler, Engineering Development Officer, carolyn.wheeler@mail.sdsu.edu, or 619-594-2508.