

Spring 2024 Newsletter

NEWS



Dr. Arif Ege Engin – New Department Chair of the Electrical & Computer Engineering Department

Dr. Arif Ege Engin, became the new Department Chair of the Electrical and Computer Engineering Department in 2023. He received his Ph.D. from the University of Hannover, Germany in 2004. Dr. Engin began his career at San Diego State University in 2008. Dr. Engin’s research interests are in Electromagnetic Interference and in Signal Integrity.

Daniel and Cai Li Chang are Fueling SDSU’s Innovation in Transportation

Article by Jeff Ristine, January 30, 2024

A major gift to the Cai Li and Daniel Haiming Chang Center for Electric Drive Transportation will support research and development in electric and hybrid automotive technologies. Led by Distinguished Professor **Chris Mi** (Electrical and Computer Engineering), the center was renamed in a Dec. 11 ceremony.



“Everything we could do, we just (did) it,” Cai Li Chang said. Click on [Daniel and Cai Li Chang are Fueling SDSU’s Innovation in Transportation](#) to read the full article.



Drs. Tong Huang and Chris Mi - SDSU Researchers Working to Protect Power Grids Against Natural Disasters and Cyberattack

Article by Taylor De Leon, October 23, 2023

Electrical and Computer Engineering’s Assistant Professor **Tong Huang** and Distinguished Professor **Chris Mi** received a \$1.5M grant from the National Science Foundation (NSF) ASCENT (Addressing Systems Challenges through Engineering Teams) to develop technologies to advance cyber-physical resilience in the carbon-neutral era. To read the full article click on [SDSU Researchers Working to Protect Power Grids](#).

Dr. Duy Nguyen Receives a \$599,800 Grant from the Army Research Office (ARO)

Dr. Duy Nguyen, Associate Professor of Electrical and Computer Engineering, received a \$599,800 grant from the Army Research Office (ARO) to develop new signal processing algorithms for UAV communications. The grant is sponsored by ARO and is titled *“Enabling high-mobility UAV communications with adaptive signal processing”*.



The primary goals of this research project are to develop statistical learning methods for estimation, detection, and precoding designs to support UAV communications in a high-mobility and contested environment.



Enhance Power Grid Resilience via Artificial Intelligence Preventing Wildfires Sparked by Power Lines

Article by Susanne Clara Bard, July 31, 2023

Dr. Saeed Manshadi, Assistant Professor in the Department of

Electrical and Computer Engineering received a grant from the National Science Foundation to study how to improve electrical grid resilience in fire-prone areas. Dr. Manshadi’s team uses artificial intelligence to calculate fire risk and help utilities decide when to shut off power.

SDSU’s NewsCenter’s Susanne Clara Bard had the opportunity to interview Dr. Manshadi and asked how utilities calculate fire risk when making power shutoff decisions. To read the full article, click on [Preventing Wildfires Sparked by Power Lines](#).

Dr. Mahasweta Sarkar Recipient of the 2023 Distinguished Faculty Award

Dr. Mahasweta Sarkar, Professor of Computer Engineering in the Department of Electrical and Computer Engineering and



Director of the Wireless Networks and Communication (WINC) Laboratory, received the 2023 Distinguished Faculty Award. The award is a symbol of achievement and success presented to distinguished faculty from each of SDSU’s seven academic colleges, Library and Information Access, and SDSU Imperial Valley Campus. The Monty Awards honor those who have made significant contributions to San Diego State University, the San Diego community or California, nationally or internationally. To learn more about Dr. Sarkar, please click on [The Distinguished Faculty Award 2023 - Mahasweta Sarkar](#).

UPCOMING EVENTS

**EXPLORE
 SDSU**
 ADMITTED STUDENT DAY

April 13, 2024
9:00 a.m. – 2:00 p.m.

[Explore SDSU](#) is an open house event for admitted first-year and transfer students to engage with SDSU faculty, staff, and current students.

Engineering Senior Design Day 2024



Wednesday, May 1, 2024
1:00 p.m. – 4:00 p.m.
Viejas Arena