

CCEE MONTHLY

The Department of Civil, Construction, & Environmental Engineering



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Structural

Geotechnical

Water

Transportation

Environmental

Construction

Grants of the Month

Dr. Alicia Kinoshita & Professor Thomas Zink were granted at the end of November \$74,637 from the DOD Army Corps of Engineers for their project "Evaluating Potential Environmental Impacts from Channel Morphology and Habitat Changes to the Santa Ana River Downstream"



Journal Papers Published

Dr. Xianfeng Yang had three journal papers accepted:

1. Yang, X. & Cheng, Y., (2016), "Development of Signal Optimization Models for Asymmetric Two-Leg Continuous Flow Intersections", *Transportation Research Part C*.
2. Yang, X., Lu, Y., & Hao, W., (2016), "Origin Destination (O-D) Estimation using Probe Vehicle Trajectory and Link Counts", *Journal of Advanced Transportation*.
3. Hao, W., Kamga, C., Yang, X., Zhong, M., & Wu, C., (2016), "Driver Injury Severity Study for Truck Involved Accidents at Highway-rail Grade Crossing in the United States", *Transportation Research Part F*.

Dr. Natalie Mladenov and MS student **Joseph Wasswa** published their research entitled: "Water soluble organic aerosols in the Colorado Rocky Mountains, USA: composition, sources, and optical properties" in the journal *Scientific Reports*.

Southern California Conference on Undergraduate Research (SCCUR)



(ENVE SDSU students: **Estefania Palacios** (left); **Jesse Scolavino** (center), and (right) **Daniel Parsons**)

Our ENVE students pictured here with Cal Poly Pomona students present their findings of their international research at the Southern California Conference on Undergraduate Research (SCCUR) held at UC Riverside in November 2016. The students advised by **Dr. Natalie Mladenov** conducted research on anaerobic wastewater treatment and water reuse systems at the food-energy-water nexus.

American Geophysical Union Meeting



Dr. Alicia Kinoshita and four students from SDSU attended the 2016 American Geophysical Union Fall Meeting December 12-16, 2016. The students presented the following papers:

Samira Nourbakhshbeidokhti: Modeling In-Stream Hydro-Geomorphic Processes After the 2012 Waldo Canyon Fire, Colorado; **Kelly Flint**: Wildfire disturbance, erosion and sedimentation risks following the Waldo Canyon Fire in Colorado; **Patrick Poon**: Post-fire evapotranspiration trends in Southwestern United States; **Christina Stewart**: A Tale of Two Cities: San Diego (USA) and Tijuana (Mexico) El Nino Readiness. See more at: ccee.sdsu.edu

National Transportation Center

SDSU was awarded federal funding for a National Transportation Center. SDSU is part of a consortium with Virginia Tech Transportation Institute (Lead university) and Texas Transportation Institute. **Dr. Sahar Ghanipoor-Machiani** is the SDSU Director of the center. This is a wonderful development for our Transportation program! The center name is "Safety Through Disruption (SafeD): Goal Zero" which will focus on promoting safety. Please see the press release from Congresswoman Susan A. Davis: <https://susandavis.house.gov/media-center/press-releases/rep-susan-davis-announces-transportation-research-funding-for-san-diego>

Student Success Fee Awards

The following proposals were granted funding for the Student Success Fee awards: 1. "Participation in the ASCE Pacific Southwest Conference" amount granted: \$38,100; 2. "Associated Schools of Construction Region 6 and 2017 Student Competition" amount granted: \$20,195; 3. "American Water Works Association Spring Conference 2017" amount granted: \$3130! CONGRATS!!!

WTS SDSU Student Chapter Updates



Dr. Sahar Ghanipoor-Machiani attended the "Innovative Transportation Topics Lunch & Learn" on November 9, 2016. For additional updates on the chapter, please visit: <https://www.facebook.com/people/Wts-Sdsu/100009139663227>

Quotes of the Month: "The two most important days in your life are the day you are born and the day you find out why." –Mark Twain