

# CCEE MONTHLY

The Department of Civil, Construction, & Environmental Engineering



COLLEGE OF ENGINEERING

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**Structural**

**Geotechnical**

**Water**

**Transportation**

**Environmental**

**Construction**

## ASC Region 7 Student Competition



The ASC (Associated School of Construction) held its annual student competition in Sparks, NV on February 6-9, 2018.

Our SDSU team won **3<sup>rd</sup> place** for the Commercial competition!

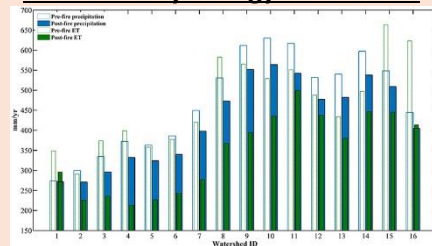
Congratulations to our AGC & CMAA Student Chapter for another successful year! Thanks to **Clark Construction** for the effective coaching of our students!



## Grants of the Month

- **Dr. Natalie Mladenov**, in conjunction with **Dr. Alicia Kinoshita** & **Dr. Matthew Verbyla** received a grant from the San Diego River Conservancy for their project "Increasing Preparedness in the San Diego River Watershed for Potential Contamination Events" in the amount of \$70,000. They will be investigating chemical and microbial contaminants in the San Diego River and tributaries during storm events.
- **Dr. Sahar Ghanipoor-Machiani** received a grant in the amount of \$236,203 for the Safe-D University Transportation Center.

## Journal of Hydrology Publication



**Dr. Alicia Kinoshita's** student published a manuscript in the Journal of Hydrology. **Patrick Poon's** manuscript, "Spatial and temporal evapotranspiration trends after wildfire in semi-arid landscapes" was just published in the Journal of Hydrology. His focuses on the evaluation of spatial and temporal changes in evapotranspiration (ET) following the 2011 Las Conchas Fire in New Mexico (USA) using the Operational Simplified Surface Energy Balance Model (SSEBop ET). Evapotranspiration is coupled with soil burn severity and analyzed for 16 watersheds for water years 2001 – 2014. The observed decrease in ET contributes to our understanding of changes in water yield following wildfires, which is of interest for accurately modeling and predicting hydrologic processes in semi-arid landscapes.

Read all about it here:

<https://www.sciencedirect.com/science/article/pii/S0022169418300994>

## Social Networking Mention

San Diego County Board Supervisor **Ron Roberts** shared a project from our Capstone Senior Design class on his Twitter and Facebook pages on February 5, 2018:

<https://www.facebook.com/SupervisorRonRoberts/>. He shared a link to a video posted on youtube.com about the San Diego Harbor Drive Skyway presentation:

[https://www.youtube.com/watch?v=uYFNHgGS\\_1g&feature=share](https://www.youtube.com/watch?v=uYFNHgGS_1g&feature=share). Thank you, Ron Roberts, for your interest in our students and support of their vision for the future including reducing greenhouse gas emissions.

## 2018 CUAHSI Summer Institute



A student working with **Dr. Alicia Kinoshita**, **Kelly Flint**, was selected to participate in the Consortium for the Advancement of Hydrological Science, Inc. (CUAHSI) 2018 Summer Institute, which will take place at the University of Alabama and the National Water Center from June 10 through July 28, 2018. Student research fellows will collaborate intensively for seven weeks to work on projects designed to contribute to the NWC goals of enhancing water-related products and decision-support services across the country. This year's project themes are: hyper resolution modeling, groundwater flow modeling (with an emphasis on groundwater-surface water interactions), computational aspects of hydrologic modeling, and data assimilation. More information on the program is available here: <https://www.cuahsi.org/education/summerinstitute/>.

## Senior Design Day 2018

Please join us for our SDSU CCEE Senior Engineering Design Day on May 2, 2018 (Wednesday) from 1:30-3:30 p.m. at the ASU Montezuma Hall. You can see videos of the previous semesters here:

**SDSU Senior Engineering Design Day Fall 2017:**

<https://youtu.be/VRxMynJdr40>

**SDSU Senior Engineering Design Day Spring 2017:**

<https://youtu.be/f1kYebSr3x8>

**Quotes of the Month:** "No man ever steps in the same river twice, for it's not the same river and he's not the same man." -Heraclitus