

# CCEE MONTHLY

The Department of Civil, Construction, & Environmental Engineering



COLLEGE OF ENGINEERING

VOLUME 5 ISSUE 07 JULY 2019



**Structural**



**Geotechnical**



**Water**



**Transportation**



**Environmental**



**Construction**

## Invited Lecture in Peru



**Prof. Victor M. Ponce** presented an invited lecture entitled "The control of pulsating waves in channelized rivers" at the Association of Engineers of Peru - Huanuco Section, in Huanuco, Peru. The event was attended by 24 students of two local universities.

## What's in Your Water?



**Lauren Steinberg** (graduate student ENVE), **Jade Johnson** (graduate student in Public Health), and **Stephanie Chao** (undergraduate ENVE) led an interactive outreach activity on "Water Quality: What's In Your Water?" for incoming freshman in the CSU Louis Stokes Alliance for Minority Participation (LSAMP)/Math Engineering Science Achievement (MESA) Program. The outreach is part of a NSF research project led by **Dr. Mladenov** (ENVE) and **Dr. Hoh** (Public Health) on chemicals of emerging concern in water reuse systems and seeks to promote interest in water reuse among diverse student groups.

## Internship at WHO



**Lorelay Mendoza** (ENV E Class of 2019) is currently working with **Dr. Matthew Verbyla** on a summer research project and completing a two-month internship at the World Health Organization (WHO) in Geneva, Switzerland, where she is working with the Water, Sanitation, Hygiene and Health Unit in the Department of Public Health. Her internship is being supported by Dr. Verbyla's research project entitled "Knowledge to Practice (K2P): Improving accessibility to data to support evidence-based approaches to safe water and sanitation," which is funded by the Bill & Melinda Gates Foundation via a sub-award from Michigan State University. The goal of this project is to support water and sanitation safety planners with evidence-based decision support tools that address desired health outcomes by improving access to scientific data on the efficacy of sanitation technologies and the occurrence and persistence of pathogens in human excreta and sewage. Specifically, Lorelay is developing a systematic protocol that the WHO will use to assess the ability for diseases caused by different water-related pathogens to be controlled by sanitation. Lorelay was a MARC scholar at SDSU and was co-advised on undergraduate research projects by **Dr. Natalie Mladenov** and **Dr. Verbyla**.

## 2019 Presidential Staff Awards



On August 1, 2019, **Nicole Brokaw** (ASC I) won the Presidential Staff Excellence Award for Service. She is pictured here with the good people who nominated her from the CCEE department.

## CCEE Student of the Month



Let's congratulate SDSU alumnus **David Riley** (red shirt) on completion of his graduate studies in Geotechnical Engineering under the supervision of **Dr. Julio Valdes**. David's MS Thesis centered on the development of a new, non-destructive technique for the measurement of the transient stiffness of crushing sands. David is currently teaching our Geotechnical Engineering lab course and will continue on to pursue a PhD in Geotechnical Engineering at the University of Sydney starting in the Fall of 2019. Cheers to David!

## Scientific Peer Review

**Dr. Victor M. Ponce** is a member of the Scientific Peer Review Panel of the South Florida Water Management District's Regional Simulation Model (RSM). The panel met July 24-25 in West Palm Beach, Florida.

**Quotes of the Month:** "Only a life lived in the service to others is worth living." – Albert Einstein

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