

CCEE MONTHLY

The Department of Civil, Construction & Environmental Engineering



SAN DIEGO STATE UNIVERSITY
Leadership Starts Here

COLLEGE OF ENGINEERING

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Structural



Geotechnical



Water



Transportation



Environmental



Construction


It is my privilege and pleasure to announce a start of our electronic periodical "CCEE Monthly"! Our Department is on the move; there are many exciting developments that we want to record for our own benefit – and to share them with our students, alumni friends, and all those who may be interested in any of our three degree programs: CivE, ConE, and EnvE. CCEE Monthly will always have the most current information about our department to share with you. "A journey of a thousand miles begins with a single step."

- Janusz Supernak, Professor and Interim Chair

Sustainable Sanitation IRES

Dr. Natalie Mladenov was awarded the NSF IRES project, International Research Experience for Students, which involves a summer research experience for San Diego State University and CalPoly Pomona University students to research new advances in sustainable wastewater treatment in Durban, South Africa. A National Science Foundation (NSF) supported project where the United States and South Africa collaborate on sustainable sanitation, the goal is to introduce upper-level undergraduates to research in environmental engineering. The IRES takes place every summer from 2015-2017. You can find more information on the project here: <http://sustainablesanitation.weebly.com/>



Our own **Dr. Alicia Kinoshita** is the SDSU 2014 Grants and Research Enterprise Writing (GREW) Fellow! And she also received the SDSU University Grants Program (UGP) award for her project "Quantifying post-wildfire stream channel evolution with sub-meter laser imaging." Way to go! 



Meeting with the Provost

Our Department had the honor to host our new Provost and Senior Vice President for Academic Affairs, Dr. Chukuka Enwemeka. The Interim Chair, Dr. Janusz Supernak, handed the Provost our brand new "CCEE Strategic Plan 2015-2020" that is synchronized with the latest SDSU Strategic Plan titled "Building on Excellence". He also made an overview of various aspects of the Department's achievements and aspirations. All CCEE Faculty presented their research accomplishments and future plans. In response Provost Enwemeka commented on SDSU's new strategic plan, hiring philosophy and ways to advance SDSU as a premiere research university. We snapped this lovely picture of the group together. You can find it on our website too:

<http://ccee.sdsu.edu/cceecurrentevents.php>

Featured: **Dean Mehrabadi, Interim Chair Dr. Supernak, Dr. Garoma, Dr. Alves, Dr. Ponce, Provost Enwemeka, Dr. Mladenov, Dr. Kinoshita, Dr. Mitropolous, Dr. Bayasi, Dr. Valdes and Dr. Dowell.**



New Online Book Publication:

Dr. Victor M. Ponce recently published (2014) two course books which are entirely online: "Engineering Hydrology" at: http://ponce.sdsu.edu/enghydro_announce.html and also "Open-Channel Hydraulics" which can be found here: <http://ponce.sdsu.edu/openchannel/> Students are reporting their happiness with the convenience. 24/7 access to education, it's the wave of the future!



Thank you for the Grants...

- Dr. Natalie Mladenov was awarded the NSF RAPID Project to study arsenic mobility in groundwater in the amount of \$50,000 (2014-2015).
- Dr. Julio Valdes was the recipient of two NSF grants: Propagation of Localized Compaction in Granular Materials (CBET) and Heat-Induced Polymer Bonding of Coarse Aggregates (CMMI)
- Dr. Robert Dowell is the recipient of the NASSCO grant for two large, multi-year ship research projects involving over \$1.5 million of research to SDSU.

ADVISER SPOTLIGHT:

Dr. Thaís Alves recently completed two research grants, one for Construction Industry Institute (CII) on Supplier Quality Surveillance which was granted a one year extension with funding and one for ELECTRI, which was on student engagement in research and student chapters. She is the faculty adviser for the NECA Student Chapter who are competing in the Green Energy Challenge.

Quote of the Month: *The ideal engineer is a composite ... He is not a scientist, he is not a mathematician, he is not a sociologist or a writer; but he may use the knowledge and techniques of any or all of these disciplines in solving engineering problems.* - N. W. Dougherty, 1955