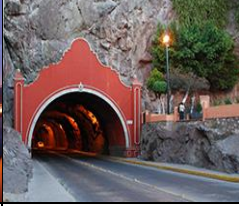


CCEE MONTHLY

The Department of Civil, Construction, & Environmental Engineering



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Structural

Geotechnical

Water

Transportation

Environmental

Construction

Article Accepted

Published in Anthropocene, **Dr. Alicia Kinoshita**, is the co-author of an article titled "Wildfire, Water, and Society: Toward integrative research in the "Anthropocene". You can find the article posted here:

<http://www.sciencedirect.com/science/article/pii/S2213305416300911>

Professor Kinoshita states that: "this work is a collaboration between several universities and institutions and exemplifies our interest in future research in coupled human-natural processes in disturbed systems. We discuss a holistic approach that accounts for these interactions, which is necessary to understand the altered dynamics of post-fire landscapes at the intersection of fire, water, and society. We review trends in wildfires and growing impacts on humans, fluvial processes and systems are altered by wildfires, and the potential hazards for human settlements, which forms a basis for the integration of societal concerns, such as vulnerability, economic impacts, and management responses, and link key disciplinary questions into broad interdisciplinary research through an integrative framework."

Grant of the Month

• **Professor Alicia Kinoshita** is the PI on a project from the U.S. Army Corps of Engineers "Evaluating Potential Environmental Impacts from Channel Morphology and Habitat Changes to Santa Ana River Downstream of Prado Dam" and received a grant for \$74,637! Professor Tom Zink and Robert Fisher are Co-PI's from SDSU and Joan Florsheim is a Co-PI from UC Santa Barbara.



Workshop in Ethiopia



(pictured, middle: **Dr. Temesgen Garoma**)

In August 2016 **Professor Temesgen Garoma**, Ph.D., P.E., Department of Civil, Construction and Environmental Engineering at San Diego State University, lead a workshop on sustainable wastewater management technologies in Ethiopia. This initiative was designed to be an exchange of ideas and knowledge on sustainable wastewater management from U.S. experts with experts and practitioners in Ethiopia. Ethiopia's municipal authorities were seeking help to better understand suitable and sustainable wastewater treatment technologies, and to increase the capacity of local water managers to confront ongoing wastewater management challenges. Dr. Garoma was selected by the U.S. Water Partnership Secretariat as the wastewater management expert to lead the workshop. His role was to lead a five-day training session for water/wastewater experts selected from regional water bureaus, national water utilities, and Ministry of Water, Irrigation, and Electricity. Dr. Garoma presented and discussed a number of wastewater treatment technologies/processes, ranging from a simple pit latrine to more complex membrane bioreactor systems. In addition, Dr. Garoma highlighted key sustainability criteria such as construction costs, O&M costs, simplicity, reliability, efficiency, environmental impact, land requirements, among others for selecting and prioritizing suitable and sustainable wastewater treatment options for developing countries. The workshop was the first-of-its-kind in the country to focus (continued) →

on wastewater management, and 47 Ethiopian water/wastewater experts and practitioners attended it. General objectives set forth for the workshop were: (a) gaining an understanding of the local conditions through a site visit and a group or one to one meeting, (b) providing an overview of all the components of a sanitation chain including wastewater collection, treatment, re-use, and disposal, (c) describing current wastewater treatment processes, (d) identifying suitable wastewater treatment systems based on sustainability criteria, such as economic, simplicity, reliability, societal, etc. and (e) describing in details the selected treatment systems, including design considerations, case studies.

WTS Student Chapter Featured



The Women's Transportation Seminar SDSU Chapter was featured in The Daily Aztec. You can read the article here:

<http://www.thedailyaztec.com/79127/news/chapter-focuses-on-women-in-transportation/>

Our full-time Lecturer, **Nensi Lakrori**, (pictured, middle back row) is the Faculty Adviser for this student chapter. As the fourth official WTS Student Chapter, and the first one in California, the chapter has the goal of establishing a college based student community focusing on advancing women in transportation through professional workshops, networking, and community service. Additionally, the chapter facilitates leadership training events, provides resume building/interview workshops, and invites distinguished speakers from the transportation industry to provide supplemental education about the professional practice to student members.

Quotes of the Month: "If it is both terrifying and amazing then you should definitely pursue it." -Erada