

Los Angeles Section

Monthly: Est. 1913

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PRESIDENT'S MESSAGE

Jerry Burke, P.E., M.ASCE, APM, QSD, ENV SP
Los Angeles Section President

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FEAR



This is one of our horses. Named "General" because he thinks he's in charge. Young (like we all once were) and a know it all (like some of us once were). Recently it rained and left a puddle across the entrance to his corral. We placed his morning feed in the feeder. He knew it was there but was terrified to step in and across the puddle. To him it was the Grand Canyon. My response was, "he'll figure it out or he'll starve". After a while, my wife caved and coaxed him through it with a cookie. From that point on he crossed over and back without hesitation, no fear.

The first weekend this past March was the 23rd Annual ASCE High School Popsicle Stick Bridge Competition at Cal State University Los Angeles. There was fear in the eyes of the students as their bridges were placed on the loading device and load applied until failure. I had the honor of escorting the Society's President-Elect Ms. Robin Kemper to the competition where she gave the opening remarks. We chatted with the students about their design. Most said if they could go back and do it over again, they could do it faster as well as better. Some were excited but most nervous, afraid. It was good to interact with the students and to compliment/encourage them on their bridges. Hopefully we planted some seeds to be future Civil Engineers. A special thank you to Dr. Rupa Purasinghe, Professor of Civil Engineering at California State University Los Angeles for working with the University to host this event.

We left the competition (160 high school competitors, 45 school teachers and 70 YMF volunteers) and traveled across the freeway where I had the pleasure of being the master of ceremonies at the Los Angeles Section Life Member Induction lunch where President-Elect Kemper gave the keynote speech. We inducted 47 of our members into the Forum of which 15 were present. No fear in anyone's eyes that day. Our life members have been through so many life events far more challenging than a popsicle stick bridge competition. If any young person has been thinking about finding a mentor, now would be a good time. The O.C. YMF mentor program will begin accepting applications in August of this year. If you're in one of our other 6 branches, feel free to contact me and I'll get you connected with the right people. (FYI, I'm 52, soon be 53 and I still meet with two mentors about once every month or two and still walk away with a nugget where I can improve every time.)

Thursday evening during President-Elect Kemper's visit we had the opportunity to attend a joint event with the Orange County Geo Institute and Cal Geo at The Hacienda in Santa Ana. The topic was "The Oroville Spillway Damage & Repair" and it was fascinating. A true engineering presentation, lots of pictures and facts. I did not see anyone leave before it was over and Ms. Holly Nichols of the California Department of Water Resources answered every single question before we dismissed. For those of you that enjoy the engineering behind what we do, the institutes are the place for you. A special thank you

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California Board for Professional Engineers, Land Surveyors, and Geologists (BPELSG) Update

by Thor Larsen, P.E., M.ASCE, ASCE Region 9 Governor from the Sacramento Section, and Chair, ASCE Region 9 BPELSG Committee



For most of us civil engineers, our involvement with the California PE Board (BPELSG) is limited to our initial application and testing to gain a professional engineer license, and then paying our biennial dues. Our formal interaction with our Board of Professional Engineers does not often need to be anything much more than just that. The BPELSG has however frequently requested the input of civil engineers on matters that concern us. In turn, they would like all our ASCE

members to know what the BPELSG does, to help ensure the integrity of our professional engineer licenses.

One easy way to begin to know what the BPELSG gets involved with, beyond collecting dues, is to read their "Bulletin", <http://www.bpelsg.ca.gov/pubs/bulletin.latest.pdf>. This bulletin is a quarterly newsletter, per the seasons, Spring, Summer, Fall and Winter. Within the Bulletin each quarter are one or two featured articles, in addition to regular newsletter items which include a "Message from the Executive Officer" (currently Ric Moore), Board News, Outreach Events, and the Board Calendar, amongst 18 other regular items.

During these past two quarters, Fall and Winter 2017, there was a very interesting three-part feature article (one part per quarter) entitled "Mud Creek Landslide: Board Licensees in Action". The Mud Creek Landslide occurred on May 20, 2017 on Highway 1, near Big Sur. The landslide buried and basically removed a mile segment of Highway 1. It is the largest landslide in California's recorded history! To restore the roadway, the California Department of Transportation (Caltrans) employed professionals in Engineering, Land Surveying, and Geology to form a team that determined the safest, yet timely and cost-effective plan, for restoration of Highway 1. It is an exciting article that highlights the initial analysis (geotech and surveying and engineering) of the site, through to planned restoration. Part one highlighted one of our fellow licensees, a Professional Land Surveyor from the project; Part two highlighted a Professional Geologist; and the final segment will highlight a Professional Engineer. This three-segment article really reminds me of how we rely upon our fellow professionals in a project to make a team to formulate the best plan for the situation, and I would highly recommend that you read the BPELSG Bulletins regularly.

I would also suggest that ASCE members should seek to attend one of the regular BPELSG Board meetings during the year. The meetings are normally held monthly, and in locations around the state, from San Diego, to the Bay area and Sacramento. The agenda and meeting materials are available prior to each meeting at http://www.bpelsg.ca.gov/about_us/meetings, along with the full schedule

of meeting dates for 2018. The ASCE Region 9 BPELSG endeavors to send a representative to each of these meetings as well.

If you have any questions or need further information about the ASCE Region 9 BPELSG Committee, please feel free to contact me at Thor.Larsen@hdrinc.com.

ARTICLE

Notice of Region 9 Opening For At-Large Governor



ASCE Region 9 invites nominations for one Region 9 Governor At-Large position for a three-year term beginning October 1, 2018. To be considered for this position, you must be a Society member in good standing and have an Address of Record within the Region being represented. It is encouraged that nominees also

have prior service as a Branch, Section or Technical Group officer, member of a Section or Branch committee, or a member of a Society-level Committee with demonstrated leadership skills. This is an appointed position.

A Letter of Intent to apply for this elected office must be submitted not later than June 1, 2018, to the Region 9 Nominating Committee Chair: Kenneth Rosenfield, at krosenfield@lagunahillscsca.gov, (949) 707-2655. Please contact Kenneth Rosenfield for any questions. In addition, the following documents are also required:

- Signed Governor Commitment document (contact Kenneth Rosenfield for form)
- Biographical Statement, not to exceed 200 words
- Vision Statement, not to exceed 200 words
- Any endorsements
- Head shot color photograph

Nominees will be requested to attend an interview before the Region 9 Board of Governors on June 22, 2018, in San Diego, CA. Time and specific location to be confirmed.



www.ascelasection.org

to Taki Chrysovergis Chair of the O.C. Geo Institute for squeezing Robin and I in at the last minute.

The Friday of President-Elect Kemper's visit we had the opportunity to visit the Cal Poly Pomona Civil Engineering Department. For years I've heard about Cal Poly Pomona's program for graduating students who were ready to be professionals. Now I know why, each Civil Engineering student graduates with a minimum of 18 labs directly connected to their courses. From Pomona we traveled to Riverside where Robin spoke to the ASCE Student Chapter at Cal Baptist University and saw the new engineering building under construction. A special thank you to Dr. Seema C Shah-Fairbank of CPP and Dr. Jong-Wha Bai of CBU for inviting President-Elect Kemper to visit and speak to your students.

Here's some upcoming events you might be interested in:

- CURLING (Yes the winter Olympic kind) – TBD but should be soon most likely in Pasadena (Check MLAB YMF webpage for more details)

- LA River Cleanup – Saturday, April 21st
- California Legislative Fly In – Wednesday, May 16th
 - o **Registration is now OPEN:**
<http://events.r20.constantcontact.com/register/event?oeidk=a07ef4yb7968af4679f&llr=z5wehpab&showPage=true>
- Joint YMF Brewery Tour with San Diego and OC – Saturday, May 19th
- Joint YMF Meeting & Wine Trip – Saturday, July 21st @ San Luis Obispo

For more events, check all the branches and ymf websites at www.ascelasection.org.

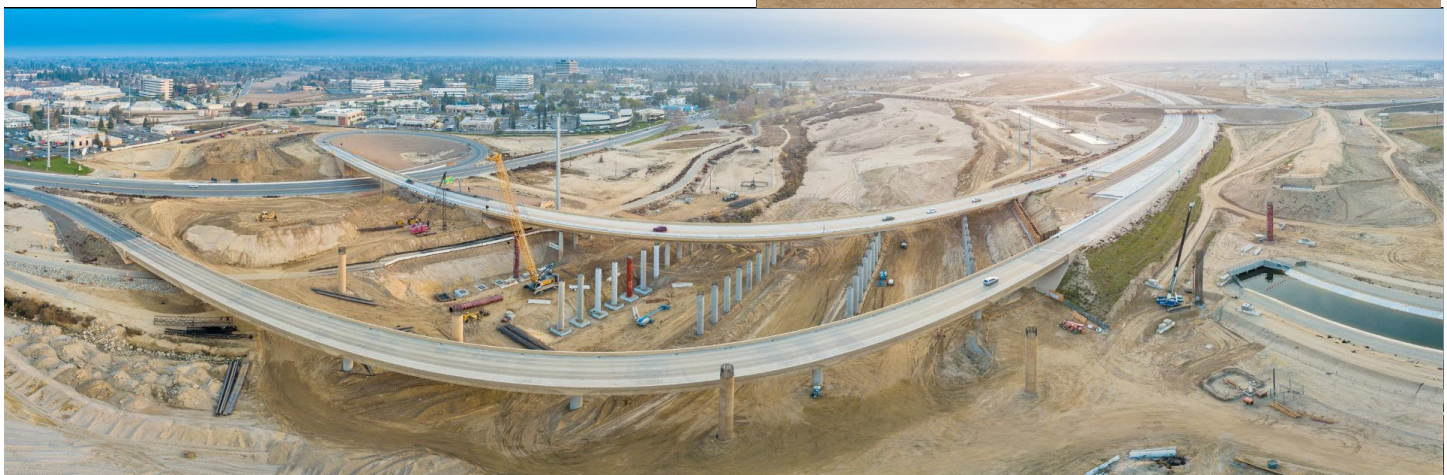
Fear, its something we all face at some point in our life. I am very thankful for the friends I've made through ASCE who have encouraged me and I've encouraged them to face our fears, work through them then go forward in our careers and life. It is a joy to serve as your president.

ARTICLE

Centennial Corridor Project Tour

by Kelsey (Hoffman) Kalemkarian, EIT, A.M.ASCE, ASCE SSJB YMF President

In March, Southern San Joaquin YMF organized a tour of the Kern River Bridge Improvement Project lead by Luis Topete, P.E. with City of Bakersfield. This event was well attended and was a great opportunity to view the first phase of the future Centennial Corridor project which is expected to run through 2021. This phase adds an additional two bridges to expand Westside Parkway and provide an on/off ramp for State Route 58. This tour gave an up close and personal look at abutments, columns and river diversion work. Future Phases will connect to State Route 99 and Interstate 5. (Pictures Courtesy of City of Bakersfield)



State Investments and Legislative Update

by Richard Markuson, CA Region 9 Legislative Advocate



Legislation:

Governor Brown signed AB 1270 (Gallagher R-Yuba City) that requires the Department of Water Resources (DWR) to inspect dams, reservoirs, and appurtenant structures annually, with certain exemptions, and requires reporting and updates to dam safety regulations.

A related trailer bill passed in June 2017.

SB 92 (Committee on Budget), was the Resources and Environmental Protection Trailer Bill. This bill, after extensive hearings on dam safety, including a May 11, 2017, joint hearing on the Oroville Dam disaster with Assembly Budget Subcommittee No. 3, Water, Parks and Wildlife Committee, and the Accountability and Administrative Review Committee, was passed and signed by the Governor, in part in response to the issues raised in that hearing.

SB 92, among other things:

1) Required DWR to complete a reconnaissance of the geologic, hydraulic, hydrological, and structural adequacy of the identified 108 largest spillways in the state by October 1, 2017. By January 1, 2018, DWR shall complete a thorough site investigation and evaluation of those spillways that are found to be potentially at risk.

2) Proposed DWR re-classify jurisdictional dams as extremely high, high, significant or low risk. DWR will require inundation maps and Emergency Action Plans for all jurisdictional dams allowing a waiver for low hazard dams.

3) Required DWR to identify which scenarios beyond a complete dam failure require a separate inundation map. The dam owner will create the inundation map and submit the map to DWR, which then will be reviewed and approved by DWR's Division of Flood Management.

4) Dam owners will be responsible for creating Emergency Action Plans in accordance with federal guidelines and based on their updated inundation maps. Cal OES will provide guidelines regarding the coordination between dam owners and local emergency management agencies to create local emergency response plans. The dam owner will send the final Emergency Action Plans and inundation map to DWR, Cal OES and local emergency management agencies. Cal OES will coordinate emergency response drills with dam owners and local emergency management agencies. The dam owner will be required to update the Emergency Action Plans regularly in accordance with federal guidelines and update the inundation maps every 10 years or sooner if there is a change in dam status or change in downstream risk.

5) Provides DWR additional enforcement power over dam owners

who are not complying with the new emergency plan/inundation maps requirements. The trailer bill also revises the Water Code to incorporate penalties such as fines and reservoir operation restrictions when dam owners violate DWR's directives and orders.

New Bills

AB 1874 (Voepel R-) would, on June 30, 2019, eliminate the requirement that the Controller withhold \$833,000 from the monthly transfer to the Off-Highway Vehicle Trust Fund and transfer that amount to the General Fund. The bill would thereby transfer this amount monthly to the Off-Highway Vehicle Trust Fund.

AB 1901 (Obernolte R-) Would exemption indefinitely the CEQA exemption for a project or an activity to repair, maintain, or make minor alterations to an existing roadway, as defined, if the project or activity is carried out by a city or county with a population of less than 100,000 persons to improve public safety and meets other specified requirements.

AB 1905 (Grayson D-) Would, in an action or proceeding seeking judicial review under CEQA, prohibit a court from staying or enjoining a transportation project that is included in a sustainable communities strategy and for which an environmental impact report has been certified, unless the court makes specified findings.

AB 1944 (Eduardo Garcia D-) Would divide the San Luis Rey Valley Groundwater Basin into an upper and lower subbasin and would designate the subbasins as medium priority until the department reassesses basin prioritization. The bill would require water beneath the surface of the ground within the Upper San Luis Rey Valley Groundwater Subbasin to be included within the definition of groundwater for the purposes of the act by any groundwater sustainability agency developing or implementing a groundwater sustainability plan.

AB 2038 (Gallagher R-) Would require DWR, no later than January 1, 2020, in consultation with the State Water Resources Control Board and other relevant state and local agencies and stakeholders, to use available data to identify small water suppliers and rural communities that may be at risk of drought and water shortage vulnerability and would require the department to notify counties and groundwater sustainability agencies of those suppliers or communities.

AB 2042 (Steinorth R-) Would express the intent of the Legislature to enact legislation to extend financial incentives to single-family and multi-family homeowners to incentivize the purchase of residential graywater reuse systems.

AB 2050 (Caballero D-) Would create the Small System Water Authority Act of 2018 and state legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate

noncompliant public water systems. The bill would define various terms and require a change in organization to be carried out as set forth in the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

AB 2060 (Eduardo Garcia D-) Current law requires a regional water management group, within 90 days of notice that a grant has been awarded, to provide DWR with a list of projects to be funded by the grant funds where the project proponent is a nonprofit organization or a disadvantaged community, or the project benefits a disadvantaged community. Current law requires the department, within 60 days of receiving the project information, to provide advanced payment of 50% of the grant award for those projects that satisfy specified criteria, including that the grant award for the project is less than \$1,000,000. This bill would instead require the department to provide advanced payment for those projects of \$500,000 or 50% of the grant award, whichever is less.

AB 2064 (Gloria D-San Diego) Current law, until January 1, 2025, requires a regional water management group, within 90 days of notice that a grant has been awarded, to provide DWR with a list of projects to be funded by the grant funds if the project proponent is a nonprofit organization or a disadvantaged community or the project benefits a disadvantaged community. Current law requires the department, within 60 days of receiving this project information, to provide advanced payment of 50% of the grant award for those projects that satisfy specified criteria. The bill, until January 1, 2025, would require a project proponent, upon completion of the first one-half of a project receiving an above-described grant award, to provide a first one-half project accountability report to the department that reports the completion of objectives and documents the expenditure and use of advanced grant funds.

AB 2072 (Quirk D-) Would require the State Water Resources Control Board, to the extent that the state board determines funds are available, to establish and maintain a dedicated program to research contaminants of emerging concern to understand the contaminants entering drinking water supplies. The bill would require the program to research the impacts of contaminants of emerging concern on human health and the environment, as prescribed.

AB 2371 (Carrillo D) Current law, the Water Conservation in Landscaping Act, requires the Department of Water Resources to update its model water-efficient landscape ordinance by regulation and prescribes various requirements for the updated model ordinance. This bill would state the intent of the Legislature to enact legislation that would improve water use sustainability in California's outdoor irrigation practices.

AB 2543 (Eggman D-) Would require each state agency or department authorized to undertake large and complex infrastructure projects to develop and implement a policy for publicly reporting any significant change in the cost or schedule of a large and complex infrastructure project that would result in the project exceeding its projected budget by 10 percent or more or being delayed by 12 months or longer.

The bill would require that the report include documentation and an explanation justifying a decision to proceed with the large and complex infrastructure project.

AB 2654 (Quirk-Silva D-) would authorize the County of Orange and the Orange County Flood Control District, indefinitely and without exclusion, to use design-build for public works infrastructure projects in excess of \$1,000,000. The bill would require specified information to be verified under penalty of perjury.

AB 2681 (Nazarian D-) Current law establishes a program within all cities and all counties and portions thereof located within seismic zone 4, as defined, to identify all potentially hazardous buildings and to establish a mitigation program for these buildings. This bill would require each building department of a city or county to create an inventory of potentially vulnerable buildings, as defined, within its jurisdiction, based on age and other publicly available information, and submit that inventory to the Office of Emergency Services, as specified.

AB 2900 (Committee on Environmental Safety and Toxic Materials) The California Safe Drinking Water Act requires a proposed new public water system to first submit a preliminary technical report to the state board at least 6 months before initiating construction of any water-related improvement that includes, among other things, the name of each public water system for which any service area boundary is within 3 miles of the proposed new public water system's service area and discussions of the feasibility of each of the adjacent public water systems supplying domestic water to the proposed new public water system's service area. This bill would authorize the state board to approve the preliminary technical report and allow construction to proceed before the end of the 6-month period.

AB 3206 (Friedman D-) Would require the State Energy Resources Conservation and Development Commission, on or before January 1, 2020, to adopt regulations setting standards for the accuracy of water meters purchased, repaired, or reconditioned on and after the effective date of those regulations, including water meters installed pursuant to the Water Measurement Law, as specified. The bill would allow a water purveyor to install a water meter possessed by that water purveyor before the effective date of the regulations for a time period deemed appropriate by the commission.

Next month – we'll examine the Senate Bills.

Recent Reports

Geophysical Research Letters released [Permafrost Stores a Globally Significant Amount of Mercury](#) "We already knew that thawing Arctic permafrost would release powerful greenhouse gases.... [I]t could also release massive amounts of mercury—a potent neurotoxin and serious threat to human health.... There are 32 million gallons of mercury, or the equivalent of 50 Olympic swimming pools, trapped in the permafrost.... 'The results of this study are concerning because what we're learning is that not only is permafrost a massive storage for carbon that will feedback on global climate, but permafrost

also stores a globally significant pool of mercury, which is at risk of being released into the environment when permafrost thaws. This is especially concerning, given the predominance of wetland ecosystems in the Arctic.' Mercury binds with living matter across the planet — but the Arctic is special. Normally, as plants die and decay, they decompose and mercury is released back to the atmosphere. But in the Arctic, plants often do not fully decompose. Instead, their roots are frozen and then become buried by layers of soil. This suspends mercury within the plants, where it can be remobilized again if permafrost thaws." (Washington Post, Feb. 5, 2018.).

The **UCLA Institute of Transportation Studies** released *Falling Transit Ridership: California and Southern California*. "In the last ten years transit use in Southern California has fallen significantly.... [This report] examine[s] patterns of transit service and patronage over time and across the region, and consider[s] an array of explanations

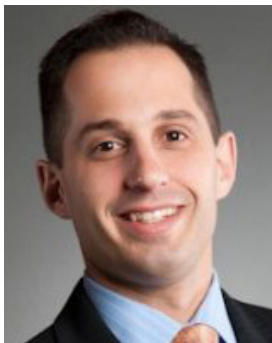
for falling transit use: declining transit service levels, eroding transit service quality, rising fares, falling fuel prices, the growth of Lyft and Uber, the migration of frequent transit users to outlying neighborhoods with less transit service, and rising vehicle ownership. While all of these factors probably play some role ... the most significant factor is increased motor vehicle access, particularly among low-income households that have traditionally supplied the region with its most frequent and reliable transit users."

California WaterFix released a study that concludes "this Delta tunnels plan would pay off for farmers, cities. The Department of Water Resources commissioned David Sunding, a professor of natural resource economics at UC Berkeley, to conduct a cost-benefit analysis of Brown's Delta tunnels project. His report concludes that benefits outweigh the costs to ratepayers in every scenario he analyzed under a one-tunnel approach." (Sacramento Bee, Feb. 13, 2018)

ARTICLE

Ask Anthony: Why Can't I Get Interviews for the CE Positions I've Applied To?*

by Anthony Fasano, P.E., M.ASCE



As busy as the civil engineering market is these days, there are still many civil engineering professionals out there looking for new opportunities, and one of them recently submitted these two questions to me.

Why can I not get interviews for civil engineering positions that I have applied to? Is there something that I am missing?

Now, let me be clear, and state that I haven't spoken to this person. I only received the questions online, but I'm going to answer them based on my experience speaking with and guiding many civil engineers during their job search.

What most civil engineers miss in their job search is the need of the hiring company. They fail to identify the specific need of the hiring company and instead just explain to the company all of the great things they have accomplished in their careers. The hiring company is less interested in your accomplishments and more interested in their need. If you operate under this assumption (which is usually very accurate) your results will improve.

For example, if a civil firm is looking for a project manager who has experience managing client relationships, then don't focus your pitch so much on the projects you've managed. Instead, focus your pitch on the clients and relationships you've managed.

I know, this means that you actually might have to change your resume for every company you submit to. It's more work, and most people don't do it, which is why your chances of winning a job opportunity skyrocket if you do.

Companies invest a lot of time, energy, and money into the hiring process. They are not just looking to hire someone with a nice-looking resume, they are looking to hire a person with the right fit for them. So, remember, when looking for your next job opportunity, identify the hiring company's need, and make it clear to them how you can fulfill it. If you do, I bet you'll have a much better success rate in your interviews.

*Adapted from www.asce.org



ASCE San Diego Geo Institute Chapter

by Jeff Cooper, ASCE San Diego Section President



The Geo-Institute is a specialty membership organization within American Society of Civil Engineers (ASCE). Members of ASCE Geo-Institute benefit from a strongly connected network of geotechnical engineers, geologists, seismologists, scientists, and students. They meet on a regular basis to foster an exchange of technical development in the field and to share recent project experience.

The San Diego Geo-Institute Chapter has been very active this year under the leadership of the current board members: Lydia Marshall (Chair), Congpu Yao, Ph.D., P.E., (Vice Chair), and Mahdi Khalilzad, Ph.D., P.E. (Secretary/Treasurer). They have hosted three presentations this year as follows:

The January dinner meeting topic was about the Regional Connector Transit Corridor Project, tunneling and deep excavations in close proximity to structures in Downtown Los Angeles. This \$1.4b Regional Connector Transit Corridor design-build project is a 1.9-mile-long light rail transit project in downtown Los Angeles. The project includes approximately 4,900 feet of twin bored tunnels together with a mined crossover cavern, 3 deep stations, and other cut-and-cover structures. The presentation provided an overview of the project, its challenges and insights of the design-build process; and provided an update on the on-going construction. The speaker was Dr. Hong Yang, P.E., G.E., P.G., C.E.G., a Principal Engineer with Mott MacDonald.

The February dinner topic was about the most recent research on Seismic Response of Mechanically Stabilized Earth (MSE) Bridge Abutments in California. The MSE Bridge abutments have been used in many locations throughout the United States due to the advantages of lower cost and easier construction over traditional bridge abutments, however, their seismic response and the interaction between the bridge deck and the MSE abutment are not well understood, which have limited their use in some states. The presentation demonstrated a series of laboratory tests from 1/2 scale MSE bridge abutments excited by several earthquake motions on a shaking table at University of California San Diego (UCSD). The experimental results confirm good seismic performance of the MSE bridge abutments and provide some preliminary insights into their seismic design approach. The preliminary validation of numerical simulations in FLAC 2D using the experimental results were also presented. The speaker was Dr. John S. McCartney, P.E., Associate Professor at UCSD.

The March dinner meeting topic was The Oroville Spillways - Geology and why it Matters. On February 12, 2017, during operation of the emergency spillway, rapid, deep head-ward erosion was observed in the northern portion of the unlined emergency spillway, which caused evacuation of more than 180,000 people. This presentation discussed the geologic conditions that were understood at the site prior to construction, the geologic conditions that were documented during construction, and what was learned about the geologic

conditions since the spillway failure. The speaker was Ms. Holly J. Nichols, P.G., C.E.G., Senior Engineering Geologist with California Department of Water Resources, Division of Engineering.

To learn more about the ASCE San Diego Geo Institute Chapter, please contact Lydia Marshall at LMarshall@sandiego.gov.

There are many other activities ongoing in the San Diego Section of interest. The San Diego Section Awards luncheon with a Cinco de Mayo theme will be held on May 4, 2018, at The Dana in San Diego. All are welcome to attend this great event and more information can be found here: <http://sections.asce.org/sandiego/home>. Section Board members, along with YMF Board members, are brainstorming on a joint summer social and have moved the date of this very popular event to coincide with the celebrations surrounding the National Concrete Canoe Competition (NCCC) hosted by San Diego State University on June 23, 2018. The Section has organized for ASCE President Elect Robin Kemper to visit the Section during the NCCC. For more information on the NCCC, please see this link <https://sdsucanoe.weebly.com/>

ARTICLE

ASCE Society Awards March 2018



ASCE presents nearly 100 Society awards every year, recognizing civil engineers who advance the profession either through achievement or published papers.

The most recent Society awards are:

- **James E. Ayars, Ph.D.**, with the 2018 Royce J. Tipton Award

- **Abul Basar M. Baki; Wenming Zhang; David Z. Zhu, M.ASCE; and Nallamuthu Rajaratnam, Ph.D., P.E., F.ASCE**, with the 2018

Karl Emil Hilgard Hydraulic Prize

- **Bruno Brunone, Ph.D., M.ASCE**, with the 2018 J.C. Stevens Award
- **Keith W. Hipel, Ph.D., P.Eng., Dr.HC, Hon.D.WRE, F.ASCE**, with the 2018 Ven Te Chow Award

- **Daene C. McKinney, Ph.D., P.E., M.ASCE**, with the 2018 Julian Hinds Award

- **Jerry E. Ongerth, Ph.D., P.E., F.ASCE**, with the 2018 Rudolph Hering Medal

- **Blake P. Tullis, Ph.D., F.EWRE, M.ASCE**, with the 2018 Hydraulic Structures Medal

- **Yumei Wang, P.E.**, with the 2018 Le Val Lund Award for Practicing Lifeline Risk Reduction

- **Larry J. Weber, Ph.D., P.E., M.ASCE**, with the 2018 Hunter Rouse Hydraulic Engineering Award

ASCE accepts nominations throughout the year for various awards and honors. Learn more about each award and submit a nomination at www.asce.org/awards/, or email awards@asce.org.

Los Angeles Section Honors the 2018 New Life Members

by Garvin J. Pederson, P.E., M.ASCE LMF

ASCE National President-Elect Robin Kemper P.E., LEED AP, F.SEI, F.ASCE was the keynote speaker at the Los Angeles Section's annual event to honor and welcome new life members. The luncheon was held at the Monterey Hill Restaurant in Monterey Park on March 3rd. Jerry Burke, P.E., Los Angeles Section President and Larry Lewis, P. E., Life Member Forum President, chaired the event. There were some 100 attendees including YMF and student chapter members.

Jong-Wa Bai, Ph.D., P. E., Chairman of the Civil Engineering Department at California Baptist University (CBU) gave the invocation. He was accompanied by a number of his students. He also briefed us on the new Engineering Facilities soon to be completed on campus.

Yazdan (Yaz) Emrani, P. E., Governor of ASCE Region 9 also welcomed the new Life Members and honored their many accomplishments. The Los Angeles Section is one of four ASCE sections in California that make up Region 9.

Robin Kemper's address stressed ASCE's vision and challenges for the future. She pointed out that ASCE members are global leaders and have members in 177 countries. The new Life Members she said have a great depth of experience and knowledge and should remain engaged in helping solve many of our existing problems. ASCE's overall goal is the "Safety and Welfare" of the public. This is accomplished by creating safe, efficient and sustainable infrastructure. In order to accomplish this in the future, we need to raise the bar in educating the future engineers to make sure they are well equipped with the best knowledge and practices available. She also encouraged all members to become "Contact Members" to be available to political office holders who seek advice on various issues involving all types of infrastructure and public works projects. In closing she noted that "Dream Big" will be available on Netflix in July.



Jerry Burke, LA Section Pres. at 2018 ASCE LM Brunch

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professional and personal highlights of each new Life Member in attendance at this event. Larry Lewis, then presented them with their "Life Member Certificate". Robin Kemper offered each her personal congratulations and had a photo taken with them.



Larry Lewis, LMF President at 2018 ASCE LM Brunch

Congratulations are extended to all of LA Section's New Life Members:



2018 ASCE Life Members - Front Row, L-R: Allen Blodgett, Tomas Molina, Mark Komoto, Robin Kemper - ASCE Nat'l Pres Elect, Hannes Richter and Ramakrishna Tadi; Back Row, L-R: William Wilkerson, John Diehl, Daniel Feger, Sean Corrigan, James Cathcart, James Clark, Douglas Sereno, Juergen Milczewsky and Robert Doxsee.

Charles Aldrich, Desi Alvarez, Donald Gene Archer, Allen Edward Blodgett, Frank Brandauer, William R. Brownlie, Samuel Joseph Cammarano, James Arthur Cathcart, Robert Louie Chen, Yen-Hsu Chen, Steve Paul Chenot, James Howard Clark, William A. Cook, Sean G. Corrigan, Joseph A. Cylwik, John Gordon Diehl, Robert Bruce Doxsee, Richard Murray Drake, Joe Chi-Ho Dyer, Robert Clifford Everson, Daniel L. Feger, Joseph Stuart Gaugush, Thomas E. Grant, Kenneth K. Hatai, Michael H. Jones, Kwang Jin Kim, Mark Alan Komoto, John Philip

Leuer, Leonard Irvin Liston, Glen L. Ludwig, Daniel T. Martinez, Dante A. Masnada, Juergen Milczewsky, Tomas Enrique Molina, Joel Olmos, Jerry L. Philipps, Gary N. Plunkett, Hannes Herbert Richter, John F. Rochford, David John Rose, Bruce Steven Russell, Douglas J. Sereno, Reza Shahmirzadi, Ramakrishna Reddy Tadi, Stephen F. Taylor, William I. Wilkerson.

This year's event continued as in the past to be outstanding as arranged by Life Member Joe Buley, P.E. F. ASCE. Joe begins his work months ahead of time to make contacts for the keynote speaker and other program participants. Thanks also to Gayle Stewart the



Yazdan Emrani, ASCE Region 9 Governor at 2018 LM Brunch

section administrator and her staff working with Joe on the arrangements. Also much thanks to Life Member William Lawson, P.E., F. ASCE for taking all the professional photos at this event (shown with this article).

Presidents Jerry Burke and Larry Lewis also encouraged the new Life Members to remain active in ASCE and participate in the LA Section's Life Member Forum.

Mark Norton, P. E., F. ASCE Director, ASCE Region 9 summarized the



ASCE Life Member 2018 - Allen E. Blodgett



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Robin Kemper, ASCE Nat'l. Pres. Elect at ASCE LM Brunch



Jong-Wha Bai, PhD, Cal-Baptist University at ASCE LM Brunch



Mark Norton, Region 9 Sustainability Comm. at ASCE LM Brunch

ASCE 2nd Engineers Day at Riverside County Flood Control and Water Conservation District

by Andrea Gonzalez, MPA, PE and Rolando Hernandez (Photos Courtesy of Alexander Liu)



Inspiring Wonder was the theme for Engineer's Week this year and with the awesome volunteers we had, we believe we met our goal for our 2nd Annual Engineers Day at Riverside!! This year ASCE San Bernardino/Riverside Branch and Younger Member Forum (YMF) collaborated with Riverside County Flood Control and Water Conservation District (the District) to host the event at their facilities on Friday, February 23, 2018.

What a success the event was! Approximately 45 high school and middle school students arrived from the local Riverside schools. Of those 45 students, the United Way of the Inland Valley brought 20 of their middle school girls participating in their Girls Excelling in Mathematics with Success (GEMS) program to the District as well.

All students were welcomed by beaming volunteers and were led to a big room to hear several presentations from:

- Melissa Barbosa (Water System Engineer, Azusa Light & Water) who welcomed the group and informed them about Engineers Week,
- Anthony Mistretta (Project Manager, CASC Engineering & Consulting, Inc.) who provided a civil engineering overview,

- Bob Cullen (Assistant Chief Engineer, Riverside County Flood Control & Water Conservation District) spoke about the District and why it was formed,
- Ava Moussavi (Junior Engineer, Riverside County Flood Control & Water Conservation District) who provided an overview of the various Low Impact Development (LID) features at the District and
- Jeff Meiter (President, Valued Engineering, Inc.) who spoke about surveying and its significance to civil engineering.





Afterwards, a group photo was taken in front of the District front entrance and the groups were split in half and provided simultaneous tours of the LID facility and a demonstration of surveying equipment. Students and volunteers were shown the differences between porous and impervious concrete as well as the benefits of utilizing LID features and were provided the opportunity with a

based on set criteria on the boat's name, overall design and amount of weight (marbles) were used before it sunk into tubs filled with water. The winners were announced and cash prizes were provided to the 1st, 2nd and 3rd place winning teams. What a fun filled and impactful day!!

Before departing from the facility, everyone convened to hear some final thoughts including feedback from the students who expressed their appreciation. Considering the demand for engineers in the region, the importance of Engineers Day highlighted a promising career option that students may not have realized otherwise. In addition to the gift bags filled with goodies that all participants received, students were encouraged to apply for ASCE scholarships. Regardless of what career students decide to pursue, having the invaluable experience of interacting with professionals is something that goes a long way in shaping the future for each individual.



Thank you to our wonderful volunteers and Engineers Day committee for making this event possible!! A special thanks to the **District, Riverside Public Utilities, HDR, Michael Baker International and Valued Engineering** for their generous support and sponsorship for this event!!



hands-on learning exercise using a surveying tripod and rod. After the tours, the group watched the Dream Big film where students and volunteers were touched by the stories shared in the film. Lunch was served after the film. Lastly, there was an impromptu event where students were broken up into teams and built boats made out of aluminum foil, popsicle sticks, and tape. Each team was judged

TESTIMONIALS FROM VOLUNTEERS:

"This was my first time volunteering for an ASCE event that was not affiliated with Cal Poly Pomona. Because the group was on the smaller side (around 45-50 students) it felt more intimate than other outreach events I have attended that had close to 300 students in attendance. I am definitely looking forward to the next ASCE SB/R outreach opportunity!" –Carlee Guthaus, Civil Engineering Undergraduate, Cal Poly Pomona

"I am very optimistic about our profession's future, the students were very excited, enthusiastic, and involved during "Dream Big movie", the tours we had and finally the hands on activity. I am hoping to see as many of them as future Civil Engineers!" –Mohammad El Hocheimi, Engineers Day Co-Lead, Assistant Engineer, WSP

"I wanted to thank you all for an outstanding event! HDR is pleased to have participated the last two years in this event. The organization, quality and content of the day was excellent. The kids were interested





and engaged. I spoke with several of the students and teachers throughout the day and all were thankful and getting a lot out of the day. I especially enjoyed the demonstrations and hands on activities, the Dream Big movie and the infrastructure spoof video made by Bob Cullen. You all make me proud to call Riverside home! Thanks again for a wonderful event.” –Lisa Reece, Vice President, HDR

“It was extremely fun to see the student’s excitement as they learned



about the different branches of civil engineering. The event was well organized and included multiple fun and inspiring sessions, presentations, tours, and hands on activities. I believe this event will be remembered by some of those students for the rest of their lives. I hope that we were able to persuade some of those kids into engineering.” –Ibrahim Ibrahim, P.E., Salem Engineering Group, Inc. “Engineers Day really makes me proud to be in this industry and to be able to expose young minds to this profession. I enjoyed how the students engaged themselves with the activities such as the survey demonstration, LID tour, Dream Big movie and especially the Impromptu event. You can see the passion in their eyes and I was really glad that I got to be a part of their discovery of their career path.” –Alexander Liu, Civil Associate II, Michael Baker International

“It was a pleasure being a volunteer for this event. Several times I noticed the excitement in the future engineer’s faces and I thought “wow, this is a great event”. The Dream Big movie was outstanding; I got the feeling of being in a movie theater, and the content was



top-notch. The tour of the BMPs at the facility and hands-on survey was very interesting. Thanks again for the invite to be a volunteer, hope it continues next year.” –Tony Colarossi, Project Engineer, Earth Systems

“Engineering Day was a fun-filled, inspiring, and informative event which allowed students to gain a better understanding of Civil Engineering. I believe that the overall presentation left a positive impact on the students as far as convincing them to pursue engineering careers. I am looking forward to volunteering again in future E-Day events.” – Rolando Hernandez, EIT, Civil Associate, Michael Baker International





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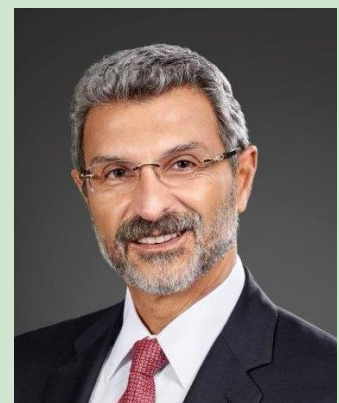
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ASCE Region 9 Legislative Day Wednesday May 16, 2018 California State Capitol, Sacramento

The 2018 ASCE Region 9 Legislative Day will take place in Sacramento on Wednesday May 16, 2018 during National Infrastructure Week 2018.



Morning Training Session will be held at: Department of Water Resources Auditorium, 1416 9th Street, Sacramento, CA 95814. Highlights of the Legislative Day Agenda include:

- 9am-12noon: A half-day training session on the political process
- 9:15am: How an Idea becomes a Law
- 10am: Briefings from the ASCE Region 9 Legislative Advocate & ASCE Society Staff
- 11am: Presentations by Legislative Officers and Elected Officials
- 12noon: Lunch & Attendee Networking
- 12:45pm: Group Photograph
- 1-5pm: Walk to the State Capitol to meet with State Legislators
- 5-7pm: Recap of the day (at the Hyatt Regency Hotel lobby)

There is no registration fee to attend. Participants are responsible for their own travel expenses and must register so that legislative appointments may be scheduled.

Register at

<http://events.r20.constantcontact.com/register/event?oeidk=a07ef4yb7968af4679f&llr=zd5wehpab&showPage=true>

Please contact Anne Ettley, ASCE Region 9 Administrator, at aettley@gmail.com, if you have any questions regarding the ASCE Region 9 Fly-In.



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Los Angeles Section

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