

PRESIDENT'S MESSAGE

Melissa Barbosa, P.E.



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Hello ASCE Members,

Cheers! It's one of my favorite months. Why? It's a short month for starters, we all have an approved Holiday, so we get a day off and the best one it's ENGINEERS WEEK!

What is **ENGINEERS WEEK**? Some of you might ask.... Well it's a time for us Engineers to celebrate, collaborate all of our successes, a chance for the Profession to be recognized Nationally, it's a time we can use to increase public dialogue about the need for engineers and infrastructure, educate and inspire the future community of kids, educators and parents about the realm of Engineering. It's a weeklong celebration but a lifelong commitment! Starting February 18th through the 24th. ASCE and many refer to it as E-Week and there are many events for our members to choose from.

This year we will for the 2nd time be hosting in Riverside an event showcasing Engineering. Last year it was at Riverside City Hall, we invited high school students to the table at the Mayor's Office, learned about the City of Riverside's Public Works Traffic Control Room and Riverside Public Utility Water and Electric projects.

On **Friday February 23, 2018** we will invite 50 high school students Riverside Flood Control and Water Conservation District, we plan to show and tell all the kids about Storm Water, projects the District is working on, show them Surveying and let them watch the Dream Big Movie! It's going to be a great day, the ASCE E-Week Committee (Andrea Gonzalez, Mohammad Elhocheimi, Gustavo Gomez, Jeff Meiter, Chris Quach, Jing Yang and I) are working very hard to put on an awesome event.

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PRESIDENT'S MESSAGE

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On Thursday February 22, 2018, it's our annual joint ASCE Dinner with Inland Empire Council of Engineers and Scientists during Engineers Week at the University of Redlands, University Club at 6 PM.

Engineers! The Missing Link to Native Fish Recovery:

How Engineers and Biologists are Working Together to Save the Santa Ana Sucker presented by Ms. Heather Dyer, Water Resources Project Manager and Fish Biologist from San Bernardino Valley Municipal Water District



On Wednesday February 21, 2018 LA YMF is hosting a Middle School Outreach event at La Kretz Innovation Campus and is looking for Volunteers.

<http://www.mlab-ymf.org/events/5th-annual-engineers-week-2018/form>

On Tuesday February 20, 2018 at 6 PM there is Dinner and Workshop presented by OC ASCE, SWE and Leisa Reid on "Creating a Winning Mindset" at Fuscoe Engineering in Irvine.

<https://www.eventbrite.com/e/asce-oc-oc-swe-presents-leisa-reid-creating-a-winning-mindset-tickets-41976424616>

On Monday February 19 is President's Day

Saturday March 3, 2018 is the Popsicle Stick Bridge Competition at California State University Los Angeles. The SBR Younger Members will be hosting the impromptu event this year.

Team Registration is now open! The Annual Popsicle Stick Bridge Competition PSBC is an event that is designed as a fun way for high school students to develop engineering skills through critical thinking, problem solving, teamwork and creativity. If you have a High School student interested, it is \$10 for a team of 4 high school students to sign up and build a bridge out of popsicle sticks. The link to register is:

<http://www.mlab-ymf.org/events/popsicle-stick-bridge-competition-team-registration-1>

If you'd like to volunteer the day of the event please sign up through LA YMF website. It's a great day, the teams present on their bridge, test the bridge they designed and see how many pounds it can take, one year I saw a bridge withstand over 600 pounds before it cracked, it was an awesome sight to see. The impromptu event is where they have an hour to build per the criteria and the supplies provided and they are given a score based on aesthetics, design, structural integrity and innovation.

Two more awesome events I'd like to tell you a little bit about:

The annual ASCE Life Member Brunch is on March 3, 2018. It's a great time to talk with some of the seasoned Engineers and hear all their great stories. In honor of those members who have advanced to Life Member status in the society and in recognition of their career achievements. Keynote Speaker: Robin Kemper, P.E. ASCE Society President-Elect.

Every year California State ASCE (aka known as Region 9) puts on a CA Infrastructure Symposium and Awards Dinner. The Region 9 Board of Governors represents more than 20,000 ASCE members in the State of California. This year it is on March 23, 2018 in San Francisco at the Historic San Francisco War Memorial and Performing Arts Center.

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PRESIDENT'S MESSAGE

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The symposium has two tracks one is Water and the other is Transportation. Very exciting news one project and two Individuals that were awarded at the San Bernardino Riverside local Branch awards in June made it to the State level (Region 9) and will be announced and receiving awards at the Dinner Banquet! Congratulations to all the recipients. Please see the link below for more information. www.caisregion9.org/2018 If you can't make it this year, next year it will be in Los Angeles.

If you can't make it to any of the scheduled events, I challenge you to share your Engineering Story during Engineers Week to at least three people who don't know what you do and share how awesome your story is and the great projects you are working on make a difference in the community!



I'll start... one project I've had the opportunity to work on is bringing an additional water source to the Azusa Water Treatment Plant. The proposed interconnection will provide an alternative source of raw water for the treatment plant when there is minimal flow in the San Gabriel River, which is the current primary source. The system is designed to bring in a maximum of 25 cfs. The raw water is about 250 pounds of pressure and we will break that to atmosphere to take in into our intake system. The interconnection project includes ductile iron class 350 piping on San Gabriel Canyon Road, onsite piping at the plant, a 14-inch electronic magnetic meter, an electronic pressure reducer and control bailey valve, and supervisory control and data acquisition (SCADA) equipment and integration that will allow another agency to remotely monitor and control the meter, pressure reducer and valve. This project providing reliable, sustainable water resources to the

Community, it was collaborative, involved multiple parties and is set to go out to Bid for Construction soon. It's exciting and needed with the current Drought conditions in California. If you're interested about this project feel free to talk to me about it.

Cheers to Engineers Week and thank you for your service to the Communities you work in.

I hope to see you during Engineers Week!



Melissa Barbosa, P.E., M.ASCE
San Bernardino-Riverside Branch President

Workshop for Section and Branch Leaders (WSBL)

Henderson, NV January 12-13, 2018

By Andrea Gonzalez, MPA, PE



Our San Bernardino/Riverside Branch and Younger Member Forum sent a combined seven (7) officers to the Western Region Younger Member Council (WRYMC) in Henderson, Nevada. WSBL is similar but it is geared for those that are in the branch. Both conferences were amazing and provided our officers to further develop their leadership skills, hear motivational speeches and meet other YMF and Branch members from different sections! The conference provided awesome technical tours like visiting the Hoover Dam, seeing a Cirque de Soleil show or taking a ride on the High Roller Observation Wheel!

Two of my personally favorite sessions at WSBL were the Myers-Brigg Type Indicator personality assessment where we learn more about personality preferences. Understanding this is important because we need to be aware of our personality differences especially when working and managing other people. We learned that:

- It is important to identify improvements, tap into strengths
- Understand our own weaknesses in order to ask for help



Another workshop that I would highly recommend to anyone is Emotional Intelligence and Body Language. Dr. Jack Brown was the guest speaker and provided an exceptional leadership workshop on the subject. Things that were learned based on pictures and examples:

- Three things you look for in any conversation: the tone of voice, what they are saying and body language
- Genuine smile/sincerity
 - Relaxed forehead
 - Eyes are partially closed
 - Lower teeth are not showing
 - When someone does the above and tilts their head, means they are allowing you to their personal lives

For those of that are officers or plan on becoming ASCE officers, I highly recommend that you attend next year's WRYMC in Hawaii!!



Western Regional Younger Member Council (WRYMC)

Las Vegas January 11-14, 2018

By Rolando Hernandez, EIT, A.M.ASCE

When I joined the Sb/Riv YMF section last year, I was excited about participating in all the fun events that ASCE offers each year including the so called “WRYMC” conference that I often heard about. Last January, this conference was held locally in Los Angeles and although I was yet to get involved with ASCE, I heard about prior conferences being held in Alaska, Phoenix, and even Seattle. As a first-time Younger Member, learning that this year’s conference was going to be hosted in Las Vegas was probably enough motivation for most new members alike to want to get more involved with YMF. According to the WRYMC Planning Committee, this event took two years to plan and Las Vegas proved to be as dynamic and entertaining as advertised. Aside from having fun, this year’s conference gave me a better sense of how ASCE is structured, the importance of promoting Civil Engineering, and overall, the value of networking.

WRYMC is part of the Multi-Region Leadership Conference for Regions 8 & 9 which comprises of three categories; The Workshop for Section and Branch Leaders (WSBL), the Western Region Younger Member Council (WRYMC), and the Workshop for Student Chapter Leaders (WSCL). This conference is a four-day event (including pre and post conference activities) which started on Thursday January 11 and lasted until Sunday January 14. On Friday, several of our YMF and Branch Leaders participated in the day’s events including icebreaker activities, discussion sessions, and a presentation by Mike Murphy on “Leadership and the Art of Taking Risks.” To end the night, our group along with members from the LA Section, attended the section dinner at Triple George Grill located in Downtown Las Vegas. This dinner gave everyone a chance to mingle and afterwards, explore the DTLV nightlife.



ASCE Sb/Riv and LA Section Dinner: WRYMC 2018

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Western Regional Younger Member Council (WRYMC)

Las Vegas January 11-14, 2018

By Rolando Hernandez, EIT, A.M.ASCE

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On Saturday, the informative sessions continued throughout the morning including concurrent sessions to choose from with regards to different Engineering topics. Following this session, I attended my first YMG Business meeting to cover issues that affect all Younger Members and to vote on the WRYMC host city for 2020. Before voting, the Hawaii YMF Section gave a video presentation to promote next year's WRYMC conference which was approved to be hosted in Hawaii in 2019. Next, the Bay Area gave their video presentation offering to host WRYMC in 2020 which won by a unanimous vote. Later that day, everyone got an opportunity to participate in optional Technical Tours including the "Hoover Dam" and "Project Neon," known as the largest public works project in Nevada History. Additionally, technical tours on the Vegas strip included "Cirque Du Soleil – The Beatles Love" and "The High Roller Observation Wheel."

Saturday evening concluded with the elegant WRYMC Awards Banquet located in the Hilton Lake Las Vegas Event Center. While exchanging business cards with a few aspiring young members from other sections, I couldn't help but wonder that I will likely continue to see their faces throughout my career. I also noticed that certain members, regardless of age group, are very passionate about what they do and what they represent. Whether representing your company, your section, or your area of specialization, WRYMC attracts motivated people across the country who can have a significant impact on our society especially as it relates to engineering innovations and regulations. Although there are other platforms for engineers to network, WRYMC creates the atmosphere and sets the culture for civil engineers to establish lifelong friendships. Now I understand why this conference is highly recommended by everyone who has participated in the past. I can't wait till next year's conference in Hawaii!

Seven Oaks Dam Technical Tour

ASCE San Bernardino-Riverside Branch

By Entcho Anguelov and Chet Robinson

It is one thing to have heard about or seen pictures, and another to actually be there and see it with your own eyes and to experience the awe of looking down from the top of the fourth tallest embankment dam in the U.S.—Seven Oaks Dam. It is an earthen and rock embankment structure rising 550 feet above the Santa Ana River stream bed; with a crest length of 2,980 feet; base width of 2,200 feet; 37,626,983 cubic yards of embankment volume; storage at spillway of 147,970 acre-feet; and drainage area of 177 square miles, including the watershed of Big Bear Lake.

The dam was constructed by the U.S. Army Corps of Engineers in 1999 with the main purpose of flood protection of underlying San Bernardino, Riverside and Orange Counties. The Seven Oaks Dam and Prado Dam work together to provide flood protection for over 2,000,000 people and hundreds of square miles of developed lands.

Our tour started at the base of the dam in the morning of January 26th, 2018 and was guided by the helpful and knowledgeable staff of San Bernardino County Flood Control District. As you can expect, there were a lot of questions, and none was left unanswered. At the beginning we all watched a documentary about the history and construction of the impressive dam project: “The Making of Seven Oaks Dam”. For those of you who could not participate in the tour, the 3-part movie can be found on You Tube: <https://www.youtube.com/watch?v=UI-Yk3vILvQ>.

In addition, if you have missed the event, you can still sign up for an open to the public tour organized by the San Bernardino Flood Control District and occurring the last Thursday of each month: <http://cms.sbcounty.gov/dpw/FloodControl/SevenOaksDam.aspx>

After watching the movie came the time to go out and face the real immense embankment which looked like a very well-shaped and brightly colored small mountain from afar. A zig-zagged paved access road winding over the slope of the dry side of the dam took us to the top, and then down again on the opposite wet side. Our first stop was at the top of the intake tower – a massive reinforced concrete inclined structure with gate openings at every level. The intake tower is not as tall as the dam, and is submerged under water during peak storm events.



Dry side slope



Intake tower from above

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Seven Oaks Dam technical Tour

ASCE San Bernardino-Riverside Branch

By Entcho Anguelov and Chet Robinson

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After the intake tower we drove to see the emergency spillway – a 500-foot wide cut through the rocky mountain top. The rock material obtained from the spillway works was used for the fill of the dam embankment.

Our next stop was at the crest of the dam rising 2,610 feet above sea level from where we enjoyed a beautiful 360-degree view of surrounding mountains and valley floor. Looking up towards the mountain ranges we could see the gorgeous San Bernardino Mountain peaks gently covered with shy California snow. If you slide your eyes down you would see the small water pool at the bottom of the dam and the water level marks left on the cliffs on the other side of the lake. When you turn the opposite way looking down towards the valley, you would see the perfectly formed and covered with river rock dry slope of the dam traversed by the winding access road, the energy dissipation plunge pool at the outlet works, the well-formed and rock protected outlet channel, and of course, the inviting and beautiful Inland Empire from above.



Looking down the valley

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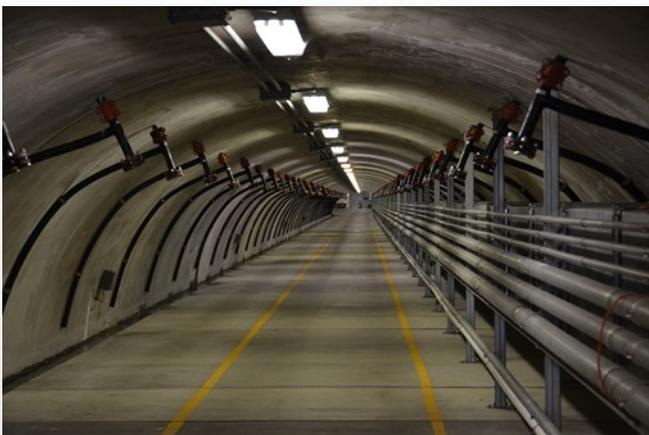
Seven Oaks Dam technical Tour

ASCE San Bernardino-Riverside Branch

By Entcho Anguelov and Chet Robinson

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A 1,623-foot long and 18-foot wide tunnel cuts through the base of the dam from the intake tower to the outlet chutes. The outlet tunnel was designed to release up to 7,000 cubic feet per second (cfs) flow. The gates which control the amount of released water are located in the middle of the tunnel. An 18 feet wide and 8 feet high box is constructed in the tunnel and spans from the control gates to the outlet works. The gate control valves are accessed from the dry side on top of the reinforced concrete box under the tunnel top arch.



Access to the control gates



3 cfs out

We also had a chance to observe how 3 cfs were being released from the dam into the plunge pool.



18-foot wide outlet channel

On our way back to the base, we expressed our deep gratitude to our guides, from whom we learned a lot about the planning, construction and operation of the Seven Oaks Dam. We all left with a sense of admiration and pride at the end. Admiration for what human spirit can achieve, and how big we can dream. And pride for belonging to a profession which can transform these dreams into reality.

<http://www.ocflood.com/sarp/7oaks>

https://en.wikipedia.org/wiki/Seven_Oaks_Dam

[http://www.spl.usace.army.mil/Portals/17/docs/publicnotices/Draft%20Public%20Review%20WQS%20SEA%20w%](http://www.spl.usace.army.mil/Portals/17/docs/publicnotices/Draft%20Public%20Review%20WQS%20SEA%20w%20)

Additional Sources:

IECES INLAND EMPIRE COUNCIL OF ENGINEERS AND SCIENTISTS

Presents

Engineers! The Missing Link to Native Fish Recovery: How Engineers and Biologists are Working Together to Save the Santa Ana Sucker

**Ms. Heather Dyer, Water Resources Project Manager and Fish Biologist
San Bernardino Valley Municipal Water District**

Ms. Dyer is a Water Resources Project Manager and Fish Biologist for the San Bernardino Valley Municipal Water District where she has been working on development of the Upper Santa Ana River Habitat Conservation Plan (HCP) since 2014. She is leading the development of the Upper Santa Ana HCP, working on behalf of twelve public agencies and many valuable water infrastructure projects for this region. The HCP will also implement recovery actions for the Santa Ana sucker and 22 other special status species. Ms. Dyer fully expects to achieve recovery of the species and removal of the Santa Ana sucker from the Endangered Species List by her retirement in 2039.

Date: Thursday, February 22, 2018

Location: University of Redlands, University Club

Times: 6:00 p.m. Social
7:00 p.m. Dinner
7:30 p.m. Society Announcements
7:45 p.m. Program
8:45 p.m. Question and Answer Period
9:00 p.m. Adjournment

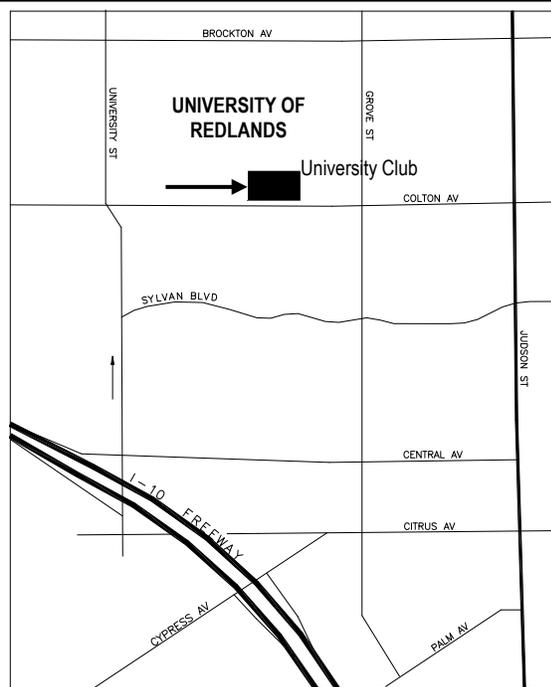
No Host Bar:
Wine, beer,
Martinelli sparkling
cider and soft drinks
by glass or bottle

Directions:

From **eastbound** Interstate 10: Take the University Street exit and turn left onto University Street.

From **westbound** Interstate 10: Take the Cypress Avenue exit and turn left. Drive two blocks to University Street and turn right.

Continue north on University Street 0.5 miles to the Colton Avenue stop sign and make a right. After one block, turn right into the parking lot behind the Tennis Courts. After parking, cross Colton Avenue at the crosswalk and the University Club is on the north side of the street and is in the complex to the right.



CUT ALONG DOTTED LINE AND MAIL BOTTOM WITH CHECK – PLEASE INDICATE YOUR MEAL SELECTION

Advance Reservations Required

Name: _____ Telephone: _____ Number of Guests: _____

E-mail: _____ Name(s) of Guest(s): _____

Organization: AIAA ASCE ASME CSPE IEEE SAME APWA Other

Meal Selection: Tri-Tip Asiago Crusted Chicken Boca Neive (Marinated Mushroom & Pasta, Vegetarian)

Total Amount Enclosed: _____ (\$25 per engineer or guest; \$15 per student)

Seating is limited.

Please mail reservations and mail checks (payable to IECES) for receipt on or before Feb. 17, 2018 to:

**IECES, c/o Tom Crowley, Treasurer, 115 Hillside Way, Redlands, CA 92373
Phone (909) 213-7055 E-mail: t.j.crowley@verizon.net**

DISCOVER
ENGINEERS WEEK
FEBRUARY 18-24, 2018

ASCE
LOS ANGELES SECTION
San Bernardino-Riverside
Branch
YOUNGER MEMBER FORUM

ASCE 2nd Annual

Engineers Day at Riverside

ASCE SB/R Branch and YMF are hosting the 2018 Engineers Day at Riverside in celebration of the national Engineers Week. With the goal to inspire younger



generations to consider future careers in engineering, the event will provide opportunities for students to learn about the realm of Civil Engineering and about projects in their own community. Some event highlights include:

- Tour of Riverside County Flood Control & Water Conservation District
- Impromptu Hands-On Competition

⇒ **Friday, February 23, 2018 | Time: 8AM-2PM**

⇒ **At Riverside County Flood Control & Water Conservation District**
1995 Market Street | Riverside, CA 92501

Volunteers are needed for this great event. To sign up, please contact:

Mohammad El Hocheimi | Mohammad.elhocheimi@wsp.com



SPONSORSHIP OPPORTUNITIES ARE STILL AVAILABLE!!

Please contact Melissa Barbosa at mbarbosa@ci.azusa.ca.us

Special Thanks:





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February 7, 2018 Wednesday Dinner Presentation

**WHAT LEVELS OF SEISMIC GROUND
MOTION TO USE FOR LIQUEFACTION
EVALUATION?**

Jorge F. Meneses, RMA Group, Inc.

Standard simplified liquefaction evaluation procedures typically use the peak ground acceleration (PGA) and magnitude (M) as parameters representing the seismic ground motions at a site. The values of PGA and M at a site can vary depending upon the return period in a probabilistic approach or associated expected level of performance. Evaluation of liquefaction triggering and associated consequences (settlements and lateral spread) may significantly change depending upon the level of the ground motions selected.

Dr. Meneses will present and discuss different existing approaches and guidelines dealing with the level of ground motions and liquefaction evaluation. These guidelines include the recently approved ASCE 7-16 (basis for the 2019 California Building Code), the 2016 National Academies of Sciences, Engineering, and Medicine report, NAVFAC, Caltrans, California High Speed Train, CGS Note 48, Los Angeles City and Los Angeles County. Also some insights to the changes that ASCE 7-22 may incorporate will briefly be discussed. Finally, some clarifying conclusions will be proposed.

Jorge Meneses has more than 25 years of experience in geotechnical engineering with emphases on geotechnical earthquake engineering, foundation engineering, numerical modeling, and advanced geotechnical testing. His experience includes consultancy for major companies, and research and teaching in major universities in the U.S., Japan, and Peru. Jorge has published about 60 technical publications in technical journals and conferences, is a frequent peer reviewer of journal and conferences papers, and has been invited as a guest speaker for national and international conferences.

Date: Wednesday, February 7, 2018

Time: 6:00 - 6:45 PM Registration and socializing
6:45 - 7:30 PM Dinner
7:30 - 8:30 PM Technical presentation

Location: Zendejas Mexican Grill
8106 Milliken Ave., Rancho Cucamonga

Cost: \$30 members w/ RSVP, \$35 non-members or no RSVP,
\$10 students

Register or Send RSVP by February 6, 2018 to Ed Hernandez at:
ehernandez@projectxcorrosion.com Walk-ins are Welcome!

<http://www.asce-sbriv.org/geotech-1.html>



LOS ANGELES SECTION

Cordially Invites You to the

ANNUAL LIFE MEMBER BRUNCH
March 3, 2018

In honor of those members who have advanced to Life Member status in the society and in recognition of their career achievements

Keynote Speaker:

Robin Kemper, P.E., LEED AP, F.SEI, F.ASCE
ASCE Society President-Elect

Monterey Hill Steakhouse
3700 W. Ramona Blvd.
Monterey Park, CA 91754

Reception: 11:00 am Brunch: 11:30 am Program: 12:30 pm - 2:00 pm

Lunch: Chicken Chardonnay, Vegetarian available

Members & Guests: \$35.00 per person
Students: \$25.00 (\$20.00 refunded after event)

Sponsorship:

Full Table Sponsor: \$350.00

(4 seats for Sponsor & 6 seats for Honored Life Members/Students)

Half Table Sponsor: \$175.00

(2 seats for Sponsor & 3 seats for Honored Life Members/Students)

REGISTER HERE

To register and pay by check, please download the [Registration Form](#) (PDF), complete and mail it along with payment to the ASCE LA Section office.

Please contact the ASCE LA Section office with any questions.

ASCE LA Section | 714-258-8306 | gstewart@gsecorp.org | www.ascelasection.org

ORGANIZED BY ASCE REGION 9 & SAN FRANCISCO SECTION



CA INFRASTRUCTURE SYMPOSIUM & AWARDS DINNER

HISTORIC SAN FRANCISCO
WAR MEMORIAL & PERFORMING ARTS CENTER

MARCH 23, 2018
SAN FRANCISCO, CA

2018 CA INFRASTRUCTURE SYMPOSIUM & AWARDS DINNER

SAVE THE DATE MARCH 23, 2018

organized by:



To register and for more information on sponsorship opportunities go to: www.caisregion9.org/2018



WAR MEMORIAL & PERFORMING ARTS CENTER

SAN FRANCISCO



USMC 29 Palms CA STEM Engineering & Construction Camp

Attention: 9 -12th grade high-school student and are interest in a STEM careers.

Are you on an engineering or science track in HS? Do you want to work as part of a real engineering, construction or STEM project team this summer? This STEM camp will provide students an opportunity to broaden their engineering knowledge and apply problem solving techniques while *competing* among their teams. This camp is designed to focus on hands-on activities, supervised and executed by engineers. Society of American Military Engineers (SAME) has been conducting these world-class camps for over 16 years and has an excellent record “building our nation’s future engineers.”

Where: 29 Palms, CA, Marine Corps. This is a regional camp for students in Southern California

When: 6-8 Apr 2018.

Basic Application Criteria:

- U.S. Citizen
- Have health insurance
- Physically fit
- Plan to attend college for a STEM degree

Application Deadline: March 1, 2018

Cost: \$30 (*No payment is required until after final selection*)

To Apply: Visit <http://www.same.org/STEM-Camps/Application-Process> to create a camper account, then follow the instructions for the camp application process. This is a competitive process for 60 kids.

For more information contact: Jim Carter, jcarter@emaxlabs.com; 310-618-8889 x105

Additional Information on Camps: www.same.org/STEMCAMPS

Save the Date

Save the date! Join us Saturday, March 10th, 2018 for some friendly game(s) of softball as the San Bernardino/Riverside Branch, YMF, CPP and CBU teams challenge each other on the field! Players of **ALL** skill levels are welcome! This is a great networking opportunity for all, even if you don't want to play in the game come enjoy the game(s) and fill the stands. Lunch will be provided, make sure to bring your gloves and bats if you have them! Hope to see you all on the softball field Saturday, March 10th (exact location and time TBD)



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Branch Treasurer

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ASCE CONTINUING EDUCATION

Check out all of the content available from ASCE. When ordering be sure to use the Promo Code below so that the branch will receive 20 percent of the gross revenue from the registration. This helps the branch to reduce member costs, provide better activities and give out more scholarships for the benefit of the local engineering community.

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Employment Opportunities

Be sure to check out the career opportunities at ASCE's Career page at

<http://www.asce-sbriv.org/careers-1.html>

Calendar of Upcoming ASCE Events

February 18-24, 2018	National Engineers Week
February 7, 2018	Geotechnical Committee Diner Presentation: "What Levels of Seismic Ground Motion to Use for Liquefaction Evaluation?" by Jorge F. Meneses
February 22, 2018	"Engineers! The Missing Link to Native Fish Recovery : How engineers and Biologists are Working Together to Save the Santa Ana River Sucker", Presentation by Ms. Heather Dyer
February 23, 2018	ASCE 2nd Annual Engineers Day at Riverside!!!
March 3, 2018	Annual Life Member Brunch, Los Angeles Section
March 23, 2018	2018 CA Infrastructure Symposium and Awards Dinner, San Francisco, ASCE Region 9 and ASCE San Francisco
April 6-8, 2018	USMC 29 Palms CA STEM Engineering & Construction Camp, 29 Palms, Marine Corps

Membership Information

Types of Membership and Annual Dues (National)

Students: FREE

Associate Member: \$50 per year of Baccalaureate degree and first year after, then incremental increases to \$225 over five years.

Member: \$225

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Section (Branch) Dues: \$55

National ASCE student membership is now FREE! Those who have chapters or clubs still must be a member of them before joining National. Log onto <http://www.asce.org/join/> fill out the short application or call 1-800-548-ASCE (2723) and instantly become a member of ASCE.

Online membership renewal is available! Go to <http://www.asce.org/membership-communities/> You will need your membership number. All payments must be made with a major credit card. An e-receipt is transmitted to the member upon completion of the transaction.

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