

PRESIDENT'S MESSAGE

Kenneth E. Cox, P.E., G.E.



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Hello Members,

A special "Thank you!" to Melissa Barbosa and Christopher Quach, our Co-Chairs for the First Annual Engineers Day at the City of Riverside, and to the many volunteers who made this an exceptional event. The day was full of tech tours, presentations from practicing engineers, and hands-on engineering activities designed to inspire a new generation of Engineers. Teachers and students expressed appreciation for a fun and informative day. We anticipate expanding the program next year to accommodate more students. This will require more volunteers, including YOU! Join us next year, you'll be glad you did.

Watching high school students learn about the civil engineering profession, reminded me of the importance of continuing education for all practicing engineers. While the State of California does not currently require continuing education hours, it is important to maintain and hone our skills and stay up-to-date on the latest advances in engineering practice. ASCE is here to help with an extensive catalog of both face-to-face and web based courses. The entire catalog can be viewed [here](#).

...CONTINUED ON PAGE 2



President's Message Continued

...CONTINUED from PAGE 1

If you need additional incentive, consider that ASCE offers five on-demand webinars per year free of charge as an exclusive benefit of annual ASCE membership. Log on to your account [here](#) to access your free webinars.

Keep learning, keep growing, and keep inspiring young students to join us as Civil Engineers.

Sincerely,

Kenneth E. Cox, P.E., G.E.

San Bernardino and Riverside Counties Branch President

The Lighter Side



By Kal B. Parker, Geocon West, Inc.

Trans-Alaska Pipeline System - Part II

The question may have been asked, “If Alaska is so remote, how is the Trans-Alaska Pipeline System maintained and supported?” How was all the infrastructure to pump and deliver the oil from Prudhoe Bay constructed? How does all that construction material to build with and supplies for the oilfield workers get delivered? Well mostly, like how most supplies are delivered in the Lower 48, by big 18 wheeler semi-trucks. Trucks driven by brave men and women, who risk their lives to deliver the supplies and finish the job. The Trans-Alaska Pipeline is actually paralleled by very long stretch of gravel and dirt road built specifically to support the Trans-Alaska Pipeline System.

A trip to the Trans-Alaska Pipeline is not complete without a ride on the James W. Dalton Highway or commonly referred to as the Dalton Highway. Made famous or rather infamous by the TV show Ice Road Truckers, the Dalton Highway was constructed in 1974 and stretches 414 miles across northern Alaska from Livengood (84 miles north of Fairbanks) to Deadhorse and the extremely important oilfields of Prudhoe Bay. “This mostly gravel highway travels through rolling, forested hills, across the Yukon River and Arctic Circle, through the rugged Brooks Range, and over the North Slope to the Arctic Ocean. Along most of its length, you'll see no strip malls, no gift shops, no service stations—just forest, tundra, and mountains, crossed by a double ribbon of road and pipe.” – BLM Alaska

This road is not like any ordinary road and not to be driven on by the woefully unprepared. It is one of the most isolated roads in the United States and stretches through some of the most remote wilderness of Alaska. There are only three very

small towns along the 414 mile route: Coldfoot (permanent population of 10), Wiseman (pop. 22), and Deadhorse (pop. 25). Coldfoot is about halfway to Prudhoe Bay and home to the world’s northernmost truck stop. Appropriately named and speaking from personal experience, it is VERY cold in Coldfoot. The exposed skin is painful and frostbite will occur soon, type of cold. Between Coldfoot and Deadhorse is 240 miles of only forested wilderness and the pipeline to the right to keep one company.



Map of Dalton Highway at Coldfoot Camp

The authors of this article enjoyed a very scenic and comfortable 8 hour drive from Coldfoot to Fairbanks in a specially outfitted van driven by very experienced tour guides. Driving along the Dalton Highway, it is not unusual to see stuck big rigs with failed brakes, cracked windshields from gravel as trucks thunder past, dizzying blizzards of snow, blinding high beams, families of moose, and the jaw dropping beauty of the green glowing Aurora Borealis, if you are lucky.

Even if only a simple road, the Dalton Highway illustrates the necessity of carefully engineered transportation infrastructure for the continued operations and maintenance of even the most remote, important, and amazing engineering achievements.

Sources:

https://www.blm.gov/ak/st/en/prog/recreation/dalton_hwy.html

<http://www.alaska.org/guide/dalton-highway>



Photo of Oil Pump Station 7 from flying bush plane, by Chris Quach

**Interested in writing articles
For the Engineers Column?**

**Contact the Newsletter Editor
Chet Robinson, GE
at robinson@geoconinc.com**

ASCE SB/R YMF TECHNICAL TOUR CALTRANS TESTING LABORATORY San Bernardino-Riverside Branch YMF

February 17, 2017

By: Ibrahim Ibrahim



Members from the San Bernardino/ Riverside (SB/R) ASCE gathered for the Cal Trans technical tour at Cal Trans's second biggest testing facility which is located in Fontana. The event kicked off around 9:30AM with a brief presentation on the structure and organization of the Cal Trans's Fontana facility. Around 10:00AM, multiple groups were formed to tour the different labs concurrently including the HMA, concrete, reinforcing steel, aggregate, and soil labs.

Cal Trans's directors, engineers, and technicians joined their effort to help and present during the tour. Labs were prepared in a great way that allowed the attendees to walk around with the presenters, while other lab technicians were able to carry on their daily activities with no delays.



We had a chance to see a couple of testes during the tour, such as the reinforcing steel tension test, and the concrete compressive strength test. The event was a great success, and the attendees had a great chance to get information, ask questions, and connect with regional Cal Trans's directors. A special thanks to Cal Trans's staff on the great organization and accommodation for the tour, and to Ricardo Perez (ASCE SB/R YMF Technical Tour Advisor) on putting the event together.

DREAM BIG EVENT CELEBRATING ENGINEERS WEEK

San Bernardino-Riverside Branch YMF, February 24, 2017



On Saturday, February 18, 2017, San Bernardino/Riverside ASCE (SB/R ASCE) organized a dream big movie showing event at the California Science Center in Los Angeles. The event was a joint event with Cal Poly Pomona's ASCE student chapter. A total of approximately 40 attendees arrived to the event location at various times between 10:00AM and 3:00PM. The California Science Center was set up with multiple scientific learning booths, video screens, and games. The event included a tour of the Space Shuttle Endeavor. Attendees had a chance to explore the center, and tour Endeavor before rounding up at 4:00PM for the movie. The movie showing started around 4:30PM. We finalized the event around 5:30PM. Thanks to Melissa Barbosa (ASCE SB/R Branch Vice President) for putting the event together, and for the attendees on joining the event.



ASCE 1st Engineers Day at City of Riverside



Dream Big with the City of Riverside
as we Celebrate Engineers Week 2017!

The goal was to introduce 50 high school students from Alvord Unified School District, our future generation leaders, to the realm of engineering and local government! With only 5.5 hours we toured City Hall, Public Works, the Mayor's Office and Riverside Public Utility. We instilled teamwork, planning, collaboration and built a Skyscraper Tower out of paper and then tested the structure!

Christopher Quach, PE & Melissa Barbosa, PE
ASCE Co-Chairs of Engineers Week 2017



Problem Solvers! Dream Big! Engineers! Were just a few the buzz words of the day. Our very first Engineers Day event was fantastic. We received lots of praise and appreciation from the students and their teachers. The students were AWESOME, they truly are our Future! The investment to tell them why we love what we do and how we make a great impact on our community is what ASCE is all about.

"I wanted to let you know what an awesome time I had attending the First Annual Engineers Day you all organized! The event was well organized, well attended and the students were all very engaged. I liked how you split them into groups and kept the event moving along; incorporated leaders from RPU as well as ASCE YMF group and the way all shared their stories about becoming an engineer. The group activity was terrific too." – Lisa Reece (HDR)

"I really enjoyed working with high school students. After all what a good way to spend my birthday! Being an impromptu judge, I can see the enthusiasm, excitement and glow in the eyes of all students competing in the tower building project. These are our future Civil Engineers. I look forward to participating next year also. Thanks for the opportunity." – Dr. Ramakrishna Tadi, P.E. (Caltrans)

"It was fun getting to see the students' excitement as they got to learn about aspects of engineering they knew nothing about. I am thankful to have played even a minute role in the igniting a passion for engineering in their young minds." – Emily Brown, E.I.T. (Rick Engineering)

"I thought Engineers Day was a huge success. I had the opportunity to interact with teachers and students from many different backgrounds. Donating my time was well worth the positive experience I received in return." – Jennifer Gillen, P.E., QSP, QSD (Albert A. Webb Associates)

"I hope we were able to persuade some of those kids into engineering. All of the kids showed great potential for being successful engineers, and I wish them the best in their upcoming college years." – Mohammad Elhocheimi, E.I.T. (WSP | Parsons Brinckerhoff)

"I think the program went off without a hitch, and it was amazing to be part of this event. I really hope that we inspired the students to become Engineers." – Alex Perez (UC Davis)

"I think the First Annual Engineers Day was a success! The students enjoyed the tours, they asked elaborate questions to the presenters, and had a great time building a wind resistant structure. All of the structures passed the test, they are definitely on the way of becoming good engineers." – Jannet Loera, P.E. (WSP | Parsons Brinckerhoff)

"The First Annual Engineers Day at the City of Riverside gave high school students a great perspective of the various types of careers in engineering. Amongst the volunteers we had an entrepreneur, a professional engineer with a PhD, geotechnical, traffic, electrical and water resources professional engineers. I noticed many students were interested in engineering but they were also interested in knowing how the professionals were making an impact on society. I heard students asking questions such as: are new parks being planned in the Inland Empire? How is the air quality in Riverside? I have to say that the high school teachers are doing a great job with these students in preparing them towards a great future in STEM careers." - Maria Miranda, Principal Engineering Designer (Rick Engineering)

All thanks to your contributions, hard work, and dedication. Could not have accomplished this without you all, and could not have asked for a better group to be there that day. I am POSITIVE we made an impact on those student's lives and hope everyone continues to volunteer. Thank you again and keep on inspiring.

**INLAND EMPIRE COUNCIL OF ENGINEERS AND SCIENTISTS
ONTARIO INTERNATIONAL AIRPORT UPDATE
"ONT SOCIAL SO EASY"**

February 22, 2017

By: Steven Ledbetter, P.E.

The Inland Empire Council of Engineers and Scientists meets once a year during Engineers Week to celebrate engineering from all disciplines; including: American Institute of Aeronautics and Astronautics, American Society of Civil Engineers, American Society of Mechanical Engineers, California Society of Professional Engineers, Institute of Electrical and Electronics Engineers, Society of American Military Engineers, and American Public Works Association. This year we were lucky enough to have Bruce Atlas, the Chief Operating Officer for Ontario International Airport Association (OIAA), to present on the future of Ontario International Airport (ONT) now that it is locally controlled.

Atlas has nearly two decades of aviation experience, most recently as Southwest Airlines' station manager at ONT. At Southwest, he oversaw all of the carrier's activities at the airport, including finance, budget, administration, commercial and employee development, operations maintenance and environmental responsibilities. Atlas oversees the day to day operations of ONT, and his long history with Southwest Airlines and their customer focused culture, make him the ideal person to lead in providing customer friendly services and facilities at ONT.

OIAA became official owner and operator of ONT on November 1, 2016, breaking away from Los Angeles World Airports (LAWA). A JPA was formed back in 2012 with City of Ontario and County of San Bernardino to take over the OIAA. OIAA is an autonomous public entity, separate from the City of Ontario. OIAA is controlled by a five member Board of Directors, with approximately 13 staff, and

supported by 200 LAWA staff over the next 21 month transition. ONT operates with around \$60 million in annual revenue. Similar to a not for profit business, OIAA aims to operate on balanced budget, with all profit generated at the airport, staying at the airport. Any surplus profit is sent back to airlines providing service out of ONT. In addition, OIAA plans to seek federal grant funding from the FAA to help fund capital improvement projects.

Land side development opportunities are available at ONT with a total of 1,700 acres available for expansion. In addition, limited restrictions (e.g. traffic, hours of operation, noise, etc.) when compared to LAX/Burbank/John Wayne make ONT a prime location for expansion. OIAA says there is a vast opportunity for adding cargo services, enough to even outpace passenger flight growth. The Inland Empire is in the Top 10 places for logistics and warehousing development. Currently, UPS is largest employer at ONT and their ONT hub is the second largest hub for UPS in the nation, with plans to expand. However, OIAA is taking a strategic approach to growth, to ensure uniform growth in both cargo and passenger areas. In addition, there are parking and concessions needs; together with terminal needs as they are approaching 20 years on operation. As such, OIAA currently has an RFQ/RFP circulating for a new airport master plan. With the pending master plan and search for a new advertising firm, OIAA want to rebrand the airport and make it the SoCal gateway.

ONT has seen a dip in air service since the recession, with 6.8 million passengers in 2000, climbing to 7.2 million passengers in 2005 and 2007, then declining to 6.2 million passengers in 2008, further declining

**INLAND EMPIRE COUNCIL OF ENGINEERS AND SCIENTISTS
ONTARIO INTERNATIONAL AIRPORT UPDATE (CONTINUED)**

"ONT SOCIAL SO EASY"

February 22, 2017

By: Steven Ledbetter, P.E.

to and remaining steady at 4.3 million passengers in 2012 through 2016. Existing capacity of the airport is 10 million annual passengers. With the restructuring and overhauling of existing terminals, opportunity for additional terminals, new concessions, and a local community with good income level, there is a large growth potential at ONT. Currently, OIAA is in discussions with new airlines to expand service and markets, including International destinations. OIAA anticipates having an announcement out in coming weeks regarding expanded service, keep an eye out for that!

OIAA wants to bring new level of customer service to the airport. They want passengers to have the "wow" factor when traveling through ONT, with an enhanced customer experience by delivering a 5 star rating. In just a few short month, OIAA has already added food and beverage service to the pre-security areas, something passengers have been requesting for years. In addition, they rolled out new marketing campaigns to support local businesses, such as displaying two NASCAR stock cars to support to March NASCAR race at Fontana Speedway and coordinating new car giveaways with the local auto dealerships. Further, they will be adding a California Welcome Center in the terminal area, which will be the first of its kind at an airport in the nation.

Lastly, and most important to many of you reading this, is that consumers are driven by cost when deciding where to fly from. Currently, LAX is cheaper in terms of ticket cost, period. But OIAA wants to change that. To change that dynamic, they need consumers to invest in ONT to help them get there. There is a need for the seats and capacity to

grow to help drive cost down. That the main factor with LAX offering a cheaper airfare. Increasing capacity at ONT will in turn decrease fares. In addition, development around airport will also help lower cost to provide service at the airport to airlines.

Airfare isn't the only thing consumers should consider when purchasing tickets. Atlas wants you to consider the benefits of using ONT when compared to LAX. Consider this, passengers arriving at ONT, can disembark, get their bags from the carousel, take a shuttle to the rental car lot, secure a rental car, drive to Disneyland resort, check into their hotel room, and spend 2 hours in the park before passengers coming in through LAX would get to Anaheim.

How can you help?! Use ONT, advertise at ONT, share travel data, share insight and advice, be an extension of the OIAA marketing team.

Interesting Fact: ONT sees several confused passengers every year that anticipated landing in Ontario Canada, only to find out they flown to Southern California and need to make new travel plans; and hopefully thoroughly reading their itinerary this time around.

23RD ANNUAL POPSICLE STICK BRIDGE COMPETITION

San Bernardino-Riverside Branch YMF

February 25, 2017



On Saturday, February 25, 2017, the ASCE Orange County YMF with the help of ASCE LA YMF and ASCE SB/R YMF organized the 23rd annual Popsicle Stick Bridge Competition (PSBC) at the Anaheim Regional Transportation Intermodal Center (ARTIC). The event's goal is to bring together hundreds of local high school students to participate in a full-day celebration of math, science and engineering. The event is typically held during engineer's week, which is celebrated by engineering association across the nation in appreciation of the profession of engineering. Each year, students from participating schools group up in teams, and are asked to construct a bridge made only out of Popsicle sticks and glue. Each team prepares a technical design report, a presentation, a poster, and prepares the bridge to be tested for strength on a loading machine.

The event commenced around 7:00AM to 8:00AM while volunteers and students arrived at the welcome booth located near the ARTIC's main entrance. Tables, chairs, presentation equipment were set up in the open space within the building. High school student teams/participants were divided into four main groups, red, green, yellow, and blue. Each group contained approximately 8 to 10 teams.



Groups rotated between the event's set-up stations concurrently during a 90 minutes period for each group. The main stations were the loading machine which was located next to the ARTIC's main entrance, the ARTIC tour booth located by the entrance as well, the presentation room located on the second floor, and finally the hands-on impromptu event area located on the ARTIC's first floor.



The ASCE SB/R YMF was the leader and organizer of the hands-on impromptu activity. This year's activity was building domes out of newspaper, A4 paper, and masking tape. Each team was handed supply materials, 2 pairs of scissors, markers, and instruction and sketch papers. Each team was asked to write a 2 paragraph report and sketch their design within the first 15 minutes, and then build the dome within the next 60 minutes. It was surprising to see how each team design and constructed domes in many different ways. The teams were scored based on their dome's report/sketch, structural integrity, aesthetics, and economy of design. The exercise was a great opportunity for students to work together as a team and come up with creative ideas within the time specified. The team scores from this event were recorded for awards specific to this event and also for the overall awards of the entire competition.

Around 4:00PM all group rotations were completed through the main stations, and a keynote speaker presented about building materials. The event was wrapped up with the awards ceremony, where teams received awards for the different categories and the overall score for the event. Overall the event was a great success, and a great accomplishment. A special thanks to the YMF groups who organized the event, and to all the volunteers that participated.





LOS ANGELES SECTION

Cordially Invites You to the
LIFE MEMBER BRUNCH

March 4, 2017

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

Keynote Speaker:

**ASCE Society President-Elect
Kristina Swallow, P.E., ENV SP, F.ASCE**

Members & Guests: \$35.00 per person

Students: \$25.00 (\$20 refunded at event)

Full Table Sponsor: \$350.00

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

Half Table Sponsor - \$175.00

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

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

Reservation must be received by Friday, February 24, 2017.

RETURN COUPON

Return coupon and check to:

ASCE Los Angeles Section, 1405 Warner Ave., Ste. B, Tustin, CA 92780

Name (for name tag): _____

Firm: _____ Phone: () _____

Address: _____

City: _____ State: _____ Zip: _____

Guest Name(s) (for name tag): _____

Check is enclosed for \$ _____ for _____ guest(s)/member(s)/table.

of chicken _____ # of vegetarian _____

Register online at www.ascelasection.org.

2016-2017 ASCE-GI Cross-USA Lecture

Co-hosted by your local geo-professional chapters:



Los Angeles
Orange County
Inland Empire

**GEO-INSTITUTE
CHAPTERS**



Professor George Filz, Ph.D., PE

Virginia Polytechnic Institute and State University

When: March 8th, 2017

Where: Steven's Steakhouse

(5332 Stevens Place, City of Commerce; Southwest Corner of I-5 & Atlantic Boulevard)

Schedule: 5pm- 6pm: Social Hour, 6:30 pm: Dinner, 7:30 pm: Lecture

Costs: \$45 with advanced reservations (until Tuesday, March 7th @ noon)

\$50 at the door; Free for students with valid ID & advanced reservation

Reservations and online payment possible at: <http://lageoinstitute.com/register/>

Question and Contact: Anne Lemnitzer (alemnitz@uci.edu)

Deep Mixing Method for Support of Embankments



The deep mixing method increases the strength and decreases the compressibility of soft ground, and thereby improves stability and reduces settlement of embankments, including transportation embankments, MSE retaining walls, levees, and dams. Continuous shear panels oriented perpendicular to the embankment alignment are more efficient for stability than isolated columns because shear panels are not subject to the same

type of bending failure that isolated columns can experience. Even when continuous shear panels are used, they must be designed to resist multiple failure modes. Furthermore, the strength of deep mixed ground is typically more variable than the strength of naturally occurring clay deposits. Variability can be rationally incorporated in design and specifications to permit economical and reliable application of the deep mixing method. This presentation outlines analysis and design procedures, QC/QA activities, and key specification provisions. Several example applications of deep mixing are discussed.

About the Speaker:



George Filz is the Charles E. Via Professor of Civil Engineering at Virginia Tech, where he has been teaching and conducting research in geotechnical engineering for 27 years. Before this, he worked in private engineering practice for 8 years. His bachelor's and master's degrees are from Oregon State University, and his doctoral degree is from Virginia Tech. Professor Filz's teaching, research, and practice interests include foundation engineering, soil-structure interaction, ground improvement, and seepage barriers. He has been recognized with several awards from the American Society of Civil Engineers, including: the Middlebrooks Award, the Croes Medal, the Florida Project-of-the-Year Award, and the Wallace Hayward Baker Award. He is the 2016-2017 Cross-USA Lecturer for the ASCE Geo-Institute.

Prof. Filz will be giving an additional lecture at UC Irvine on March 7th, 2017

Geotechnical Engineering at Kennedy Space Center

NASA is renovating the infrastructure at Kennedy Space Center to accommodate a new generation of heavy lift space vehicles that will exceed the demonstrated capacity of existing infrastructure components. This presentation focuses on overall stability of the transporter that carries heavy lift vehicles along the crawlerway from the Vehicle Assembly Building to the launch pads, crawlerway surface treatment for track-mounted and rubber-tired transporters, Vehicle Assembly Building foundations, and stabilization of slope protection slabs to resist shaking from rocket blasts.



When: March 7th, 2017

Where: UCI Irvine, SSH 100 (Building 200 on the campus map; see link below)

Time: 6:30 pm- 8:00 pm (Lecture will start at 6:45pm)

Costs: Parking only (\$2 per hour – use Anteater parking structure APS)
Complimentary refreshments will be served

Campus Map: https://communications.uci.edu/documents/pdf/UCI_16_map_campus.pdf

Question and Contact: Anne Lemnitzer (alemnitz@uci.edu) – (310) 986 5255

This lecture is part of Prof. Filz' official lecture series and will be given to senior undergraduate and graduate students. We invite all local engineers interested in the lecture to join. The lecture content will NOT be adjusted for student levels, but given at its original level of technicality.



ASCE SB/R YMF

MARSHALL CANYON HIKE

SATURDAY – MARCH 11, 2017

10:00 AM – 2:00 PM

LOCATION: MEET AT OAK MESA PARK 5400 WHEELER AVE, LA VERNE, CA

Come explore the hidden gem of Marshall Canyon with the ASCE YMF! This intermediate hike is approx. 10.4 miles and has multiple creek crossing with beautiful scenery. A small day pack, decent running shoes, and a few water bottles is all that is needed for this adventure. We hope you get the chance to get outdoors with the ASCE YMF!

For any question contact Roman Ramos: gilramos7@gmail.com
SB-Riv YMF Activities Coordinator

REGISTER NOW

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

APWA Inland Empire Branch is pleased to present:

The 2017 Greenbook Seminar

Standard Specifications for Public Works Construction

0.6 Continuing Education Units



This Seminar is designed to:

1. Promote the proper use and understanding of the Greenbook
2. Highlight and discuss the various general provisions, their relationship to the Public Contract Code and their implementation during contract administration
3. Address the use of the Greenbook as the Standard Specifications for most public works projects through proper preparation of complementary special provisions

Date: Thursday, March 23, 2017

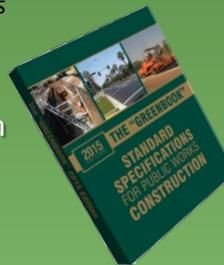
Time: 7:30 am Registration – 8:00 am to 4:00 pm Program

Cost: \$90.00 per person (APWA Member)
\$110.00 per person (Non-Member and Late Registration)
Course notes, breakfast, lunch and refreshments included

Please reserve your seat before March 20, 2017. Any member reservations made after this date will be subject to a late reservation rate. Reservations made but not honored will be invoiced unless cancellation is received 48 hours in advance of seminar.

Location: De Anza Community Center / 1405 S. Fern Avenue, Ontario, CA

Instructors: Erik Updyke (Los Angeles County Public Works)
David Yanez (Metropolitan Water District)
Jerry Cowden (Besser Company)
Dennis Phinney (Dennis Phinney Engineering)
Nathan Forrest (California Nevada Cement Association)
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[Click Here to Register](#)
(or mail form below)

Registration method: Click on the registration button to register and pay securely online. Or, you may also register and mail your check (payable to APWA Inland Empire) with this form to the following:

Dianne Laurila / CASC Engineering and Consulting / 1470 E. Cooley Drive, Colton, CA 92324

Name _____ Employer _____

Address _____ City, State, Zip _____

Phone _____ Email _____

Come join ASCE OC, LA, & SBR/Riv YMFs in watching the LA Clippers vs. the Utah Jazz on Sunday March 25th at the Staples Center!



Watch these two competitive teams duke it out!

Prior to the game we have been invited to take a group picture on the court! Come early and see what the on court views are like!

In order to get on the floor level we will begin gathering between 10:45 AM to 11:15 AM at the courtyard in front of Staples Center at the Group Experience Table.

During this time we will check folks in and hand out tickets. Please plan to arrive within that timeframe as we will begin moving into Staples Center at 11:15 AM.

We will be taken in to take the photo at 11:15 AM. Tipoff is at 12:30 PM.

The seats are located in Section 301.

Feel free to bring anyone along as all are invited. Refunds may only be issued up to a week before the game.

Got questions? Feel free to contact Nestor Godinez at ngodinez@slrconsulting.com - 714-454-8946

Please read our event guide page (<http://ymf-oc.org/eventguide>) for our current general event and ticket buying guidelines.



LOS ANGELES SECTION, REGION 9

San Bernardino & Riverside Counties Branch

FOUNDED 1953

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March Lunch Meeting

Engaging the Different Generations in Today's Workplace **Blaine Leonard, ASCE 2010 President**

Are you a Millennial that is tired of working overtime hours and wants to have a life outside of work? Or a Gen Xer that thinks the younger generation is lazy and should be living to work? Please come learn about the working habits of the different generations and understand why they/we work differently. Our guest speaker, Blaine Leonard, the 2010 ASCE President, will describe the forces that made each of our generations different and give us clues about how we can be more successful in a workplace with multiple generations. Come prepared to change your perspective!

Date: Wednesday, March 29, 2017

Time: 11:30 am to 1:00 pm

Location: Riverside Convention Center
3637 Fifth Street, Riverside CA

Cost: \$35 ASCE Members w/ RSVP
\$20 Government Employees w/ RSVP
\$20 ASCE Life Members & Students w/ RSVP
\$40 Non-Members / Walk-Ins / No RSVP

Deadline: Please reserve by March 15, 2017

Additional Info: Julianna Gonzalez, MPA, PE
(951) 955-8064
juliannagonzalez@rcflood.org



ASCE
LOS ANGELES SECTION

LOS ANGELES | CALIFORNIA

CA INFRASTRUCTURE
SYMPOSIUM MARCH 31
2017
& AWARDS DINNER

**SAVE
THE
DATE**

CALIFORNIA SCIENCE CENTER
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For more information contact:
Anne Ettley, at aettley@gmail.com
www.caais17.org

Donald G. Wells ALUMNI GOLF TOURNAMENT

Cal Poly Pomona Civil Engineering

FRIDAY, APRIL 21, 2017

12:00 PM CHECK IN

1:00 PM TOURNAMENT START

6:00 PM DINNER RECEPTION

SAVE THE DATE! Please stay tuned for more details.
Questions? Contact us at cppascegolf@gmail.com.

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ASCE San Bernardino-Riverside Branch is going to Las Vegas!



For a Technical Tour of the Bellagio Fountains Filtration System

The San Bernardino-Riverside Branch joint with the Las Vegas Branch and YMF will be touring the Bellagio Fountains Filtration System in beautiful LAS VEGAS, NEVADA. The Fountains of Bellagio were destined to romance your senses with a spectacular show of interwoven water, music and light designed to mesmerize its admirers.

This weekend technical tour trip will begin on Friday May 5, 2017 with a social event for you to enjoy with your engineering friends and family. Then Saturday, May 6, 2017 at 12 noon we will join the Bellagio facilities manager for a special tour of the Bellagio Fountains Filtration System.

Only 40 people allowed so RSVP as soon as possible

to jgonzale@rivco.org

Please note: hotel reservations will not be coordinated by ASCE SB/Riv Branch

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Employment Opportunities

Be sure to check out career opportunities at ASCE's Career page at
<http://www.asce-sbriv.org/careers-1.html>

Calendar of Upcoming ASCE Events

March 3, 2017	SBR Branch Board Meeting
March 4, 2017	ASCE Los Angeles Life Member Brunch
March 7, 2017	Geotechnical Engineering at Kennedy Space Center - UC Irvine
March 8, 2017	ASCE-GI Cross USA Lecture
March 11, 2017	SBR YMF Marshall Canyon Hike
March 23, 2017	2017 Greenbook Seminar
March 25, 2017	SBR YMF La Clippers vs. Utah Jazz at Staples Center
March 29, 2017	March Lunch Meeting—Engaging the Different Generations in Today's Workplace by Blaine Leonard, ASCE 2010 President
March 31, 2017	SBR Branch Board Meeting
March 31, 2017	ASCE Los Angeles Section California Infrastructure Symposium
April 21, 2017	Donald G. Wells Alumni Golf Tournament
April 28, 2017	SBR Branch Board Meeting
May 5 to 7, 2017	Las Vegas Technical Tour - Bellagio Foundations Tour
June 9, 2017	SBR Branch Board Meeting

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
Affiliate:	\$225

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

Newsletter Information

Publisher:

ASCE San Bernardino-Riverside Counties Branch
P.O. Box 1541
Riverside, CA 92502-1541
Typesetting and Layout: Chet Robinson, GE

Newsletter Editor:

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Identification Statement:

ASCE San Bernardino - Riverside Counties Branch
Newsletter is published monthly.
Subscription Rate: \$55 (included in section dues)

Advertisement Rates:

Professional Directory: \$250 per business card (10 issues)
Full page ad: \$235 per issue
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