

ASCE SAN BERNARDINO & RIVERSIDE COUNTIES BRANCH, LOS ANGELES SECTION, REGION 9 SINCE 1953

**PRESIDENT'S
MESSAGE**

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



Hello Members,

Welcome to 2017. Looking back, 2016 seems like a long a long and tortured path. As an election year, we witnessed one of the dirtiest campaign seasons in my memory. Hopefully, we (as engineers) participated in the election processes. Hopefully, our participation was constructive and helpful, raising the tone of the election. I hope that we can work with our elected officials over the coming years to



INSIDE THIS ISSUE

President's Message	1
Engineers Column	3
Activity Write-ups	5
K-12 Outreach, Rodriguez Prep	12
WRYMC 2017	13
Tech Presentation and Wine Tasting	16
Professional Development Workshop	17
Habitat for Humanity	18
Ontario Int. Airport Update	19
ASCE Engineers Day	20
March Events	21
ASCE Board of Directors	24
Professional Directory	25
Employment Opportunities	26
Calendar	26

improve infrastructure and promote the engineering profession.

We have an opportunity this February to promote the engineering profession as our nation celebrates E-Week (February 19-25). This is a chance to share your enthusiasm for engineering and make a difference in a young person's life. You can contact your local schools or alma mater and arrange to present an introduction to the engineering profession to nascent young scientists. Your branch board will provide you with presentation materials and ASCE promotional goodies to spark their minds and set them on a path to engineering success. Please contact [Melissa Barbosa](#), or any of your board members to volunteer.

This year we have an additional tool to use during Engineers Week: MacGillivray Freeman's film [Dream Big: Engineering Our World](#). This first of its kind film for IMAX® and giant screen theatres will transform how people think about engineering. From the World's tallest building to underwater robots and a solar car race across

...CONTINUED ON PAGE 4



President's Message Continued

...CONTINUED from PAGE 1

Australia, Dream Big celebrates the human ingenuity behind engineering marvels big and small, and reveals the heart that drives engineers to create better lives for people around the world. I encourage you to see the film yourselves, and to bring your family, friends, and neighbors.

Two thousand seventeen is full of promise for a bright future. It's up to each person to contribute the best they have to offer. As engineers, we are uniquely qualified to do our part.

Sincerely,

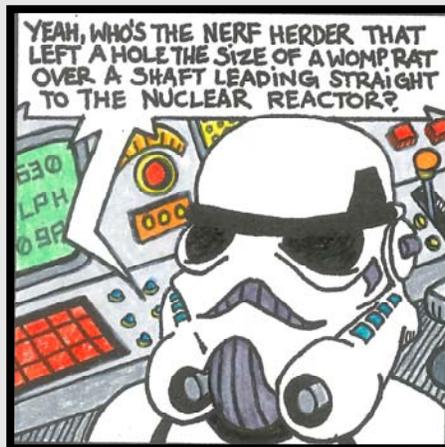
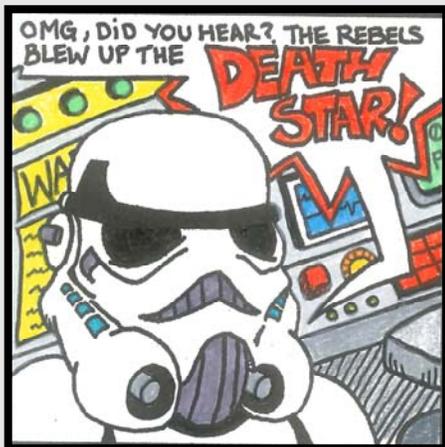
Kenneth E. Cox, P.E., G.E.

San Bernardino and Riverside Counties Branch President

Lighter Side



This Month's Engineering Joke:



By Kai B. Parker, Geocon West, Inc.

If you have an engineering joke or puzzle to share, email it to the newsletter editor.

robinson@geoconinc.com

Trans-Alaska Pipeline System - Part I

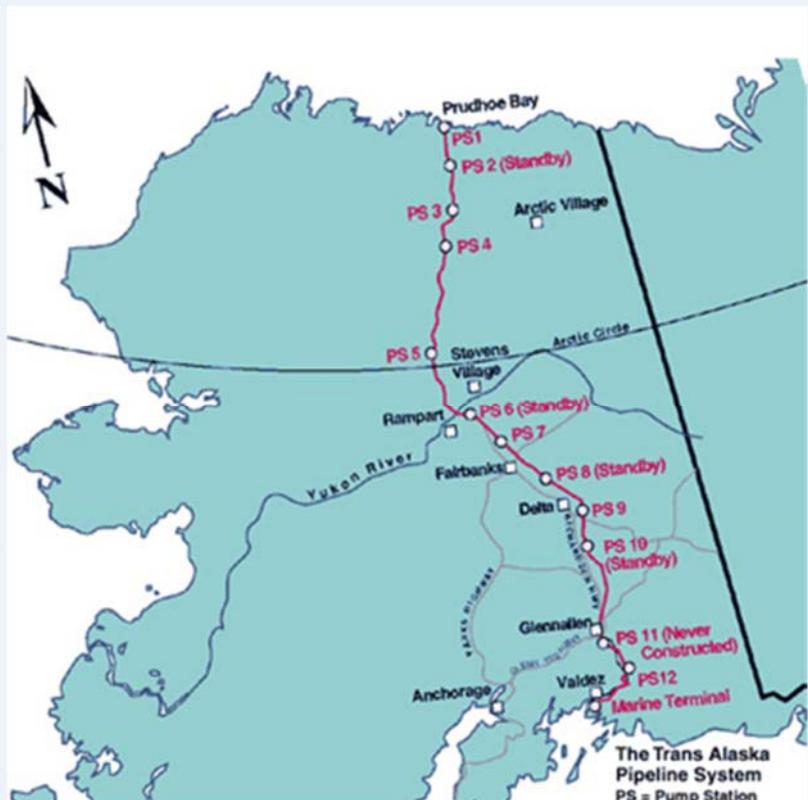
In November of 2016, the two authors of this article decided to pay the infamously cold Alaskan winter a visit. It is so cold in the Interior region of Alaska, such as the City of Fairbanks, that cars have engine block heaters and need to be plugged in at night so the fluids do not freeze. This was a sentence these Southern Californian ears have never heard before. These conditions are so harsh, why would the United States purchase such a place and why would anyone purposely live here? Aside from being a very beautiful state with awe inspiring landscapes of massive snow covered mountains, hundreds of miles of amazing forested wilderness, many species of wildlife visible in their natural habitat, and unbelievable dark blue glaciers. The Last Frontier State also has a very rich cultural history of the hundreds of thousands of Alaskan Natives. Other than the environment and the people, the ground in certain regions of Alaska contain a lot of something we might know as oil.

Along the northern coast of Alaska, near a place known as Prudhoe Bay, lies the largest conventional oil field ever discovered in North America at 213,543 acres and originally contained more than 25 billion barrels of oil. This oil field was officially discovered on March 13, 1968 by the petroleum companies ARCO and Exxon, but was already known by the native Iñupiat people who mined the oil-saturated peat for possibly thousands of years, using

it as fuel for heating and lighting.

The next problem to solve was how to send this oil to the lower 48 states where it could be refined, sold, and used to help fuel the world. After a series of semi successful ventures to deliver the oil from Prudhoe Bay by way of ice-breaking oil tankers, it was deemed much too risky and an intelligently engineered pipeline became the only viable method to transport oil to the nearest port free of the dangerous ice, almost 800 miles away at the City of Valdez.

"They didn't know it couldn't be done." This was the motto adopted by the first of tens of thousands of men and women who teamed up to tackle the



Overview Map, Courtesy of University of Minnesota Duluth

world's largest privately funded construction project.

Designing and building the Trans Alaska Pipeline System (TAPS) presented unprecedented challenges. The 800-mile-long steel pipe would cross mountain ranges, rivers and major earthquake fault lines. Alaska's semi-frozen permafrost prompted the engineering decision to build more than half the line above ground. Teams lived in construction camps along the line. In all, more than 70,000 individuals worked on TAPS' construction.

Considering the project's scope and Alaska's harsh conditions, crews worked at an astonishing pace: Construction on roads, facilities and the pipeline began in April 1974 and finished in June 1977. Oil flowed on June 20, 1977, and the first tanker carrying Alaska

North Slope crude oil pulled away from its berth at the Valdez Marine Terminal on August 1, 1977. The final price tag on TAPS' construction: a staggering \$8 billion." (alyeskapipeline.com)

This pipeline is both an engineering icon and a testament to humanities' unrelenting dependency of oil. To further the advancement of human civilization, while minimizing the human and environmental impact is an objective all engineers must strive for.

Sources:

<http://alyeska-pipeline.com/TAPS>

<http://www.alyeska-pipe.com/assets/uploads/pagestructure/>

[NewsCenter MediaResources FactSheets Entries/635078372894251917_2013AlyeskaTAPSFactBook.pdf](http://www.alyeska-pipe.com/assets/uploads/pagestructure/NewsCenter/MediaResources/FactSheets/Entries/635078372894251917_2013AlyeskaTAPSFactBook.pdf)

<http://www.d.umn.edu/~hoef0049/pipelinemap.html>



Photo of the pipeline from inside a moving van, by Chris Quach

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

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

PE BOOTH, HAPPY HOUR & SOCIAL EVENT

San Bernardino-Riverside Branch YMF

October 28, 2016

By: Ibrahim Ibrahim and Christopher Quach

Once again, October is the famous month for the PE Exam!! Members from the San Bernardino/ Riverside (SB/R) YMF gathered to encourage the upcoming professional engineers as they tackled the national exam on Friday, October 28, 2016 at our biannual PE Booth event. The booth was set up in the Fairplex complex, right next to the assigned testing buildings. At the PE booth, we handed out brochures and flyers about ASCE, as well as our famous seat cushions. The booth was set up during the morning and afternoon (lunch break period). We chatted with tests takers a bit to relieve some of their stress and anxiety before and after the test. It's our way of making their day a little more comfortable and letting them know that YMF supports them in their professional development goals.



The Event was wrapped up in the evening with a Happy Hour starting around 6:30 PM at the Cal Poly Innovation Brew Works in Pomona. SB/R YMF members, LA YMF members, and test takers had a chance to relax, have a brew, and were treated to as much pizza as they could eat. A big thanks to everyone who helped and attended the event.

ASCE LA JOINT YMF BROOMBALL NIGHT

San Bernardino-Riverside Branch YMF

November 12, 2016

By: Ibrahim Ibrahim

Members from the San Bernardino/ Riverside (SB/R) ASCE Branch and YMF, Los Angeles YMF, Cal Baptist University, and Cal Poly Pomona gathered for the Joint YMF broomball event at the Ontario Ice Skating Center on November 12, 2016 at 10:00PM. Attendees were split into two teams, a black-shirt team, and a white-shirt team. Multiple games were played between the teams. Attendees showed their skills and eagerness to win the games. All games had a very close ending scores, and were very challenging. Beverages and snacks were available for attendees on the side seats. The event was wrapped up with great conversations. The event went as planned, and participants enjoyed a great day in the skating center. Thanks to SB/R ASCE YMF and all attendees for the great event.



ASCE TECHNICAL TOUR

Thompson Pipe Group

November 18, 2016

ASCE worked with Thompson Pipe Group (TPG) to set up a technical tour of their manufacturing facility in Rialto, California. All 32 attendees were greeted by Danny Jeon (engineering support and business development for TPG) who provided an overview of TPG before we set out to tour their manufacturing facilities. TPG started out as contractors installing concrete pipe that was cast in place. That's what led them to begin the precast business. TPG has six plants in California and Texas and is the largest manufacturer west of Texas. In 2015, TPG produced 161.4 miles or 852,000 linear feet of concrete pipe.



First stop was the precast reinforced concrete box (RCB) and reinforced concrete pipe (RCP) process. There, we were able to watch RCP cages being welded and RCB and RCP being poured and cured. This production building is reserved for larger RCP, up to 144" diameter, and RCB, up to 13' by 12'. For this process, raw materials are stored outside the building in bins and tankers, where they are measured and combined in accordance with each project's specifications. The concrete then enters the facility through a central loader with RCP on one side and RCB on the other so production remains continuous back and forth. The RCP/RCB forms are loaded with their reinforcement and placed on a vibration tables, where they are poured via the central loader. Once the RCP/RCB is poured, an overhead crane moves them off to the side of the building for curing. TPG can turn out approximately 15 large RCB a day. During the tour, 12' by 8' RCB was being poured. The process is remarkably fast, with a somewhat dry concrete mix, so RCB forms can be stripped within 15 minutes of being poured. According to TPG, local flood control agencies are allowing the use of precast RCB for a greater range of application; as such, production has increased with a balanced 50-50 production of large RCP and RCB.



ASCE TECHNICAL TOUR (CONTINUED)

Thompson Pipe Group

November 18, 2016

Next, we toured the building where smaller RCP, between 12" and 54" diameter, are produced. These are poured with a packer head machine. First an outer form with a reinforcing cage is placed under a loader and a shaft with a rollerhead are lowered inside. Next, concrete is poured in the top at a premeasured amount and the machine spins the rollerhead while simultaneously raising up the height of the pipe. As the rollerhead raises it rolls and packs the concrete against the outer form while leaving a finished surface on its way out the top. Once the step is complete, the RCP is transported by forklift to an area where workers hand finish the lip and strip the forms while the RCP cures. This facility typically produces over 300 8' sticks of RCP a day.



Lastly, we were taken to an area where TPG performs D-Load testing. As large hydraulic press applies load (determined by the pipes D-Load) to the RCP. Once the load is applied, the RCP is inspected for any cracks that are over 1/16" wide for longer than 12". If none are found, the pipe passes the D-Load test. Fun fact, TPC produced a 9600 D-Load RCP that was used for a drainage system with 100 feet of cover at Camp Pendleton Marine Corps Base in San Diego County.

CAL POLY POMONA ASCE 6TH ANNUAL CIVIL DAY

San Bernardino-Riverside Branch YMF

November 18, 2016

By: Ibrahim Ibrahim and Jom Thaipejr

On Friday, November 18 2016, the California Polytechnic University Pomona ASCE chapter (CPP ASCE) organized their 6th annual Civil Day event. The goal of the event was to promote civil engineering to middle schools within cities of close proximity to Cal Poly Pomona's campus. The event's agenda included hands on activities, keynote presentation, lunch, civil engineering lab tours, and an environmental awareness fair.



The event commenced around 10:00 AM while participants arrived at the welcome booth located near the CLA Paseo building. Tables, chairs, presentation equipment were set up in the open space within the building. Participants were welcomed and checked in by CPP ASCE board members. A short welcome speech was presented at that time to help welcome students, while they were getting seated and organized. The hands

on activity including newspaper bridge and water filter contests began around 10:30AM. Students were divided into groups of four to eight per group. Students were encouraged to build the longest bridge using newspapers and plastic cups. For the water filter activity, students formed filters using multiple materials such as gravel, sand, carbon fiber. Each group was handed water containing sediments, color, and oil. Groups were evaluated based on the cleanness of through their built-filters. Both of the hand-on activists were judges by ASCE CPP board members.





Around 12:00 PM lunch (Costco Pizza) was served, while ASCE San Bernardino/Riverside SB/R YMF members presented about civil engineering. The presentation was a great opportunity for students to ask questions to professionals and college students. The main focus of the

presentation was to promote civil engineering, and encourage students to focus on their science classes if they were to pursue civil engineering in the future. Multiple questions were asked by the middle school students.

After lunch and around 12:30PM, students were formed into groups. The



groups rotated between tours to civil engineering labs and attending the environmental awareness fair.

At the environmental awareness fair, multiple booths were set up with tables, flyers, and boards. CPP civil engineering students had volunteered to set up the booths. Each booth included a challenge/



activity for middle school students to engage in environmental awareness. Some of the activities were questions and answers, and others were hands-on. Prizes were given to winners whom were judged by CPP students.

Overall the event was a great success, and a great accomplishment. A special thanks to CPP ASCE for organizing this



HOLIDAY GATHER & LATIN DANCE AND SOCIAL NIGHT

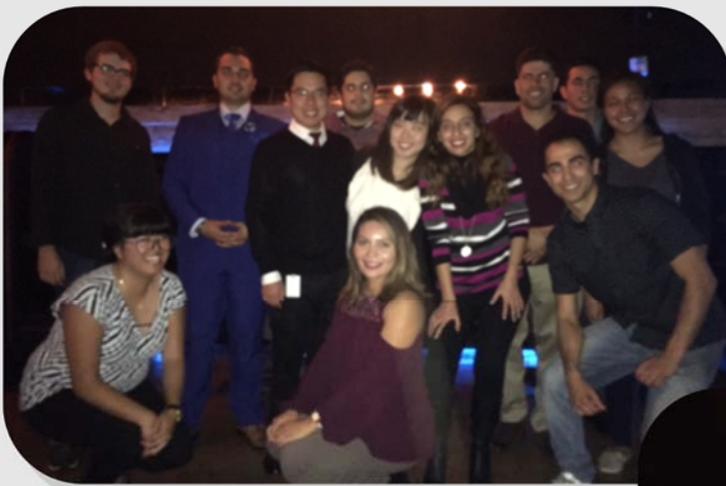
San Bernardino-Riverside Branch YMF

December 14, 2016

By: Ibrahim Ibrahim and Roman Ramos

On Wednesday, December 14 2016, San Bernardino/Riverside ASCE Younger Member Form (SB/R ASCE YMF) organized the Holiday Gathering & Latin Dance and Social Night at the Sevilla nigh club in downtown Riverside. Members mainly from SB/R YMF, and LA YMF arrived to the night club around 8:20 PM. The event included a Latin dance lesson (Salsa) from 8:30 PM to 9:30 PM. The lesson included multiple segments starting with simple moves and working the way towards more complicated ones. The lesson also included segments for a duel dance with a partner. ASCE SBR/R YMF had reserved private tables near the back stage to enjoy the night out. Following the lesson, the night club turned the music on, and started their Latin dance night.

Some attendees stayed and continued their dancing night. The event was a great successful social night. Thanks to SB/R ASCE for organizing such a great event.





LOS ANGELES SECTION

San Bernardino-
Riverside Branch

YOUNGER MEMBER FORUM

K-12 Outreach

VOLUNTEERS NEEDED

Help us motivate school students to pursue Civil Engineering!

Thursday, January 12

Rodriguez Prep Academy

1985 Guthrie Street N

San Bernardino, CA 92404

12:30pm-2:10pm

For questions, contact:

Jom Thaipejr, ASCE SB/R YMF K-12 Coordinator

jomthaipejr@gmail.com



Western Region Younger Member Council (WRYMC) 2017 Conference at Los Angeles | Registration Open!

From January 13, 2017 12:00 am until January 14,
2017 11:00 pm

At The LA Hotel Downtown

Posted by George Huang

zsolt.horvath@hatchmott.com

Zsolt Horvath

Categories: [LA YMF Events](#)

Hits: 1517



ASCE LA YMF is proud to be the host city of the 2017 ASCE Regions 8 & 9 Leadership Conference. The event includes the Western Regional Younger Member Conference (WRYMC), the Workshop for Section and Branch Leaders (WSBL), and the Workshop for Student Chapter Leaders (WSCL). For Younger Members, the WRYMC conference provides members in the Western Regions of ASCE an unrivaled opportunity to actively engage with ASCE leadership, gain professional development training, and foster knowledge-sharing among the YMGs across 10 states. We have spectacular speakers, tours, and events lined up for conference attendees, so please save the dates and stay tuned!

What: WRYMC 2017 LA

When: January 13-14th, 2017, (or Jan 12-15th with pre & post-conference activities)

Where: The LA Hotel Downtown, 333 S Figueroa St, Los Angeles, CA 90071

Who: ASCE members, industry professionals/leaders and engineering students

The event would not be possible with the fundraising efforts of our dedicated volunteers and the generosity of our corporate sponsors. Consider sponsoring one or more of our major events today! [Click here to view our event sponsorship packages.](#)

Conference registration is now open! Visit our WRYMC website for the most updated conference activities and registration info at <http://www.wrymc2017.com>

For more information, contact our WRYMC Co-Chairs: Jane Horvath (jane.horvath@mottmac.com) or George Huang (george.huang@lacity.org)

ASCE LA YMF CORDIALLY INVITES YOU TO THE ANNUAL

WRYMC AWARDS

gala



Presented By:

ASCE

WRYMC 2017
LOS ANGELES

SATURDAY, JANUARY 14TH, 2017

7 PM - MIDNIGHT

AT THE CALIFORNIA SCIENCE CENTER BENEATH THE

ENDEAVOR SPACE SHUTTLE

REGISTRATION FEE: \$70 | RSVP AT WWW.MLAB-YMF.ORG

THIS EVENT IS OPEN TO ALL ASCE MEMBERS 21+. ID REQUIRED. REGISTRATION CLOSES JANUARY 6TH. FEE INCLUDES FOOD AND BEVERAGE. PARKING IS SEPARATE. ONLY CONFERENCE ATTENDEES WILL BE PROVIDED TRANSPORTATION FROM THE LA HOTEL DOWNTOWN. MEET IN THE LOBBY AT 5 PM FOR TRANSPORTATION. DON'T FORGET TO COME EARLY AND CATCH OUR DREAM BIG MOVIE SCREENING EVENT AT 5:30 PM! MORE INFO AT WRYMC2017LOSANGELES@GMAIL.COM.

ASCE

WRYMC 2017
LOS ANGELES

SCENE TAKE ROLL
DATE SOUND

ASCE, BECHTEL CORP AND LA YMF PRESENTS

A RED CARPET MOVIE NIGHT

SHOWING



MacGillivray Freeman's

DREAM BIG

ENGINEERING WONDERS OF THE WORLD.

SATURDAY, JANUARY 14TH, 2017

5:30 – 7 PM SNEAK PEAK + Q/A SESSION

CALIFORNIA SCIENCE CENTER

IMAX THEATER | SPECIAL INTRODUCTION BY: PAT GALLOWAY

TICKETS: \$7 | SIGN UP AT WWW.MLAB-YMF.ORG | @WRYMC2017

THIS FAMILY-FRIENDLY EVENT IS OPEN TO EVERYONE! MEET THE MAKERS FROM BEHIND THE SCENES! REFRESHMENTS WILL BE PROVIDED. FEE DOES NOT INCLUDE PARKING. ONLY ASCE CONFERENCE ATTENDEES WILL BE PROVIDED TRANSPORTATION. MEET IN THE LOBBY OF THE LA HOTEL DOWNTOWN AT 5:00PM FOR TRANSPORTATION. MOVIE STARTS PROMPTLY AT 6PM. ARRIVE EARLY AND ENJOY THE FREE CSC MUSEUM! FOR MORE INFO, EMAIL WRYMC2017LOSANGELES@GMAIL.COM.



LOS ANGELES SECTION, REGION 9

San Bernardino & Riverside Counties Branch

FOUNDED 1953

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Technical Presentation and Wine Tasting

Come join ASCE at Europa Village to enjoy two of your favorite things, details about complicated civil engineering projects and a delectable glass of wine! They might just go even better together!

The event will be held in the cave room of the beautiful Europa Villages winery, one of the premier venues in Southern California's wine country. The Village is currently constructing an expansion project that consists of three hotels, each with a distinct European theme, and a new winery at the site. Brief presentations will be made by Webb and Associates, Civil Engineer for the project, Geocon, Geotechnical Engineer for the project, and CW Driver, Construction Manager for the project. What better way to hear about complex drainage, geologic, and construction management challenges than dreaming about that first luscious taste and lovely smooth finish?

Fee includes six tastes from the regular menu. Additional tastes are available for purchase.

- Date:** Friday, January 20, 2017
- Time:** 1:00 pm Discussion 2:00 pm Wine Tasting
- Location:** Europa Village,
33475 La Serena Way
Temecula, CA 92591
- Cost:** \$25 Per Person with Advanced Reservation;
\$35 at the Door
- Deadline:** Please reserve by January 13, 2017
- Additional Info:** Jeff Meiter, PE, LS
jeff@valued-eng.com

CAL POLY POMONA ASCE'S SIXTH ANNUAL

PROFESSIONAL DEVELOPMENT WORKSHOP

FRIDAY, JANUARY 27, 2017
2:00 PM - 5:00 PM

**VOLUNTEERS
NEEDED**

We need YOUR help for providing students with important professional feedback to prepare them for the Chi Epsilon Career Fair.

*Assist at either the resume session, mock-interview session, or professional etiquette and practice session. Sessions are approximately 30 minutes each.
Food will be provided during social hour afterwards.*

Resume Workshop

.....

Help polish students' resumes.

Interview Workshop

.....

Interview students in real time and then give them immediate feedback.

Career Fair Workshop

.....

Equip students with the most important career fair skills - an elevator speech and the proper attire.

If you have any questions, please contact the CPP ASCE Student Chapter Vice President, Matthew Falconer, at cppascevpi@gmail.com.

ASCE
STUDENT CHAPTER
Cal Poly Pomona

San Bernardino and Riverside Counties ASCE
Branch and YMF Invites you to join us for:
Habitat for Humanity Volunteer Day
Saturday, January 28, 2017

Details:

**When: Saturday January 28, 2017
7:30AM to 12PM**

Where: TBD

**What: Come join ASCE YMF
Volunteer with Habitat for
Humanity in rehabilitating a
home for a family in the
Riverside Area! We will be
doing some painting and yard
work, so come in your
favorite work clothes and
closed-toe shoes! Bring your
work gloves, all other tools
will be provided.**

Contact: Sarah Lunetta

snwatrous@gmail.com

Joshua Tianhua

tianhua.sun@yahoo.com



IECES INLAND EMPIRE COUNCIL OF ENGINEERS AND SCIENTISTS

Presents

Ontario International Airport Update

Kelly Fredericks, Chief Executive Officer

In December of 2015, a historic settlement agreement was executed setting the stage for the Ontario International Airport Authority (OIAA) to assume complete ownership and oversight of the Ontario International Airport (ONT) during the second half of 2016.

On March 7, 2016, Mr. Kelly Fredericks joined the OIAA as its first Chief Executive Officer. Reporting to a five (5) person Board of Commissioners, Mr. Fredericks is responsible for overall management, operations, development, and marketing oversight activities of ONT, a medium commercial service airport and transportation hub serving the Inland Empire, with a service area that includes a population of over six (6) million in San Bernardino and Riverside counties, as well as portions of Orange and Los Angeles counties. Mr. Fredericks' presentation will provide an update of ONT and his vision for the future of this important airport.

Date: Wednesday, February 22, 2017

Location: University of Redlands, Casa Loma Room Center

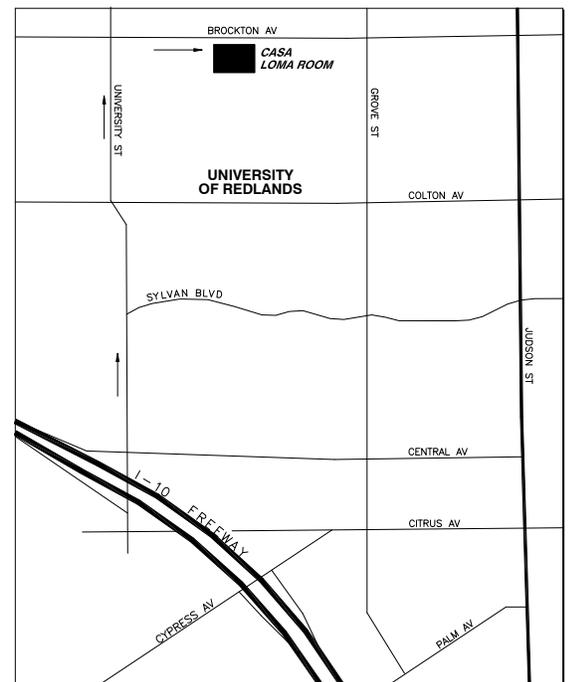
Times: 6:00 p.m. Social
 7:00 p.m. Dinner
 7:30 p.m. Society Announcements
 7:45 p.m. Program
 8:45 p.m. Question and Answer Period
 9:00 p.m. Adjournment

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 0.8 miles to the Brockton Avenue stop sign and make a right. After one block, turn right into either the 3rd or 4th driveway to enter the parking lot (Ted Runner Stadium will be across Brockton). The Casa Loma Room is on the east side of the lot.



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, 2017 to:

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



February 24, 2017

ASCE SBR's 1st Annual Engineers Day at the City of Riverside

The American Society of Civil Engineers San Bernardino Riverside Branch & Younger Member Forum (ASCE SBR Branch & YMF) in partnership with the City of Riverside, and Riverside Public Utilities are hosting our 1st Annual Engineers Day, to be held during National Engineers Week from February 21 – 25, 2017!

This awesome event will feature one day in Downtown Riverside area dedicated to introducing students of all levels to local branches of government and fields of engineering. Our goal is to educate students about their own community and inspire them with future possibilities. We are anticipating 50 Riverside students to be involved in this event.

BECOME AN ENGINEERS WEEK SPONSOR!

Engineers Day 2017 needs your support to happen. Our main goal for outreach with K-12 is at the core of ASCE's mission to expose students at all levels to science, technology, engineering and math through inquiry learning and engineering design principles. The Engineer's Day allows us to take this one step further and give students an experience by engaging them with government officials in the heart of the City of Riverside.

From volunteers to funding, we look forward to both public and private companies joining us to promote the importance of government, Engineering, and sustainability in the local Riverside area. This fundraising effort will provide materials for hand-on activities, event t-shirts and lunch for students and volunteers. Your support is greatly appreciated!

Sponsorship donations can be made online by clicking the links below:





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.



LOS ANGELES SECTION, REGION 9

San Bernardino & Riverside Counties Branch

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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



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Employment Opportunities

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

Calendar of Upcoming ASCE Events

January 12, 2017 – K-12 Outreach, Rodriguez Prep Academy

January 12 to 14, 2017 – Western Region Younger Member Council (WRYMC) + Workshop for Section and Branch Leaders (WSBL) Additional information at www.wrymc2017.com

Technical Tours to include: Griffith Observatory, NASA Jet Propulsion Laboratory, Aquarium of the Pacific, Metro Regional Connector Transit Project, Wilshire Grand Tower, and Sixth Street Viaduct.

January 20, 2017 - Technical Presentation and Wine Testing, Europa Villages Winery

January 27, 2017 - Professional Development Workshop, Cal Poly Pomona

January 28, 2017 - Habitat for Humanity Volunteer Day

February 3, 2017 - SBR Branch Board Meeting

February 9 to 12, 2017 - YMF Ski Trip

February 22, 2017 - IECES Ontario International Airport Update

February 24, 2017 – ASCE SBR's 1st Annual Engineers Day at the City of Riverside

February 19 to 25, 2017 - E Week

March 3, 2017 - SBR Branch Board Meeting

March 4, 2017 – ASCE Los Angeles Life Member Brunch

March 29, 2017 - March Lunch Meeting—Engaging the Different Generations in Today's Workplace by Blaine Leonard, ASCE 2010 President

March 31, 2017 - ASCE Los Angeles Section California Infrastructure Symposium

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 to the member upon completion of the transaction.

Newsletter Information

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