

# THE ARIZONA CIVIL ENGINEER

Volume 93 Issue 5 - February 2018

## A Message From the President

Fausto Burruel, MPA, PE, CPM, M.ASCE, President, ASCE Arizona

### The Power of **THE ASK!**

Hello Everyone,

This year has started off on a good note but has not been without its challenges. More specifically, this month has been a whirlwind beginning with the ASCE Regions 8 & 9 Multi-Region Leadership Conference (MRLC) in Las Vegas followed by the introduction of bill HB2410, calling for the repeal of licensure for several professions including geologists and landscape architects. If this sounds like déjà vu to some of you, it's because a similar bill was introduced in 2016. I will discuss both the MRLC and current legislature in more detail further in my message.



The MRLC is a great opportunity for those who want to learn more about ASCE as an organization. The conference allows for a broad spectrum of engagement and networking as it is not only attended by seasoned engineering professionals, but also younger members and students. The reason being is the conference is multi-regional but it also consists of three separate conferences made up of members from Regions 8 and 9. There is the Workshop for Section and Branch Leaders (WSBL), the Younger Member Council meeting, and the Workshop for Student Chapter Leaders (WSCL) which all take place during the MRLC. I feel like I should apologize for all the acronyms, but as Engineers and ASCE members we should be fairly accustomed to them by now. Again, this conference provides a great platform to interact with our fellow members from other Sections and Branches, allowing for the transfer on knowledge.

As is the case with conferences, there are several presentations and breakout sessions that offer the opportunity to grow personally and professionally, typically with an emphasis on leadership. The one item that really resonated with me was Robin Kemper's (Current President-Elect for ASCE) lunch discussion on Friday. Her talk, admittedly "borrowed" from Jim O'Brien, was about "**THE ASK**". **THE ASK** not only covers you asking of others but also others asking of you and is a powerful tool that is many times underutilized or not used at all. The reason her talk hit home with me is I was **ASKED** if I was interested in becoming involved with the Arizona Section of ASCE.

I was not the typical member who was actively involved; actually I was quite the opposite. I was asked at a point in life where you could say I was mid-career, married, three children ranging from elementary to high school and very active in athletics and band; oh yeah, I had also just begun pursuing a Master's degree. So the obvious answer would have been, "Sorry but I have too much going on." Instead, I asked myself how great of an opportunity was presented to me. I asked questions about what it involved and I asked friends and family for their input. If you take nothing else away from this message, I **ASK** that you keep in mind how powerful **THE ASK** is and

remember it's not only reserved for those who are actively involved, but also for those that just need to be asked.

Returning to bill HB 2410, I won't go into specifics about the bill as it can be reviewed [here](#), but to summarize it's another attempt to deregulate professionals. ASCE is actively tracking these types of legislature as it seems to be a common push throughout the nation with the view being at some point Professional Engineer's will be in the cross hairs. The good news is HB 2410 appears to be dead, for all intents and purposes. I attended a breakfast meeting hosted by ACEC on 1/25 to discuss the bill and while the bill is currently in committee, it appears that it does not have support. ACEC is continuing to monitor the situation and is keeping everyone up to speed on the latest. If HB 2410 does gain momentum again the Arizona Section Board will notify our membership along with a Key Alert being distributed by ASCE National.

Have a safe and productive February!

## Upcoming Events

### February

Southern Arizona Branch Luncheon, February 1, 2018

SABYMF Pipe Bridge Competition, February 10, 2018

Phoenix Branch Luncheon, February 14, 2018

Southern Arizona Branch Mathcounts Competition, February 16, 2018

SABYMF Pipe Bridge Competition, February 17, 2018

Papago Chapter Mathcounts Competition, February 17, 2018

Southern Arizona Branch Engineers Week Banquet, February 20, 2018

### March

Legislative Fly-In, March 13-15, 2018

Phoenix Branch Luncheon, March 14, 2018

OPAL, March 15, 2018

2018 Geoscience Career Networking Event, March 23, 2018

[For more information visit the ASCE Arizona Calendar](#)

## Phoenix Branch News and Notes

Larry Hanson, PE, M.ASCE, Vice President, Phoenix Branch

### Recap of the January Holiday Party

At the January 10 Branch luncheon, Keith Wood and Jess Chism provided an interesting presentation on relining of Central Arizona Project (CAP) 12-foot diameter steel water piping and manifolds located between the CAP Mark Wilmer Pumping Plant and the entrance to the Buckskin Mountains, located near Lake Havasu City. Keith Wood, PE, is a project manager with CAP. Jess Chism is a project manager with Hartman Walsh Painting Company. Approximately 50 were in attendance.



## February Luncheon

**Date:** February 14, 2018

**Location:** Because-Space for Life, 3419 E. University Dr., Phoenix, AZ 85034

**Time:** 11:30AM - 1:00PM

**Speaker:** Ms. Kris Provenzano, Grand Canyon Program Manager for Water and Wastewater Infrastructure Rehabilitation, United States National Park Service

The Grand Canyon National Park's water system supplies drinking and utility water to over 6 million visitors and 2,500 permanent residents at the park. The single largest component of the water system is the water delivery pipeline from the Roaring Springs pump house to the Indian Garden pump house. This approximate 12.5-mile pipeline has been experiencing splits and breaks. The presentation will be an overview of the existing trans-canyon waterline, the preferred upgrade alternative, and the challenges of managing visitation and construction.

For more information contact Rob Lyons at 480.222.5715

**[Advanced registration required](#)**

## March Luncheon

**Date:** March 14, 2018

**Location:** Because-Space for Life, 3419 E. University Dr., Phoenix, AZ 85034

**Time:** 11:30AM - 1:00PM

**Speaker:** Greg Bires, Arizona Department of Transportations Multimodal Planning Division Director

ADOT: Topic: TBD

For more information contact Rob Lyons at 480.222.5715

**Advanced registration required**

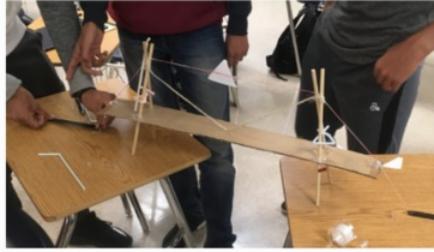
## ASCE High School Chapter

The Phoenix Branch is working with the Chandler Hamilton High School to maintain an ASCE club at the high school. Immediate Past President Frederick Tack is currently leading this outreach effort. The Club meets every other Thursday. The Club

has decided to participate in the Stockholm Junior Water Prize Competition. If you are interested in finding out more about this effort and/or would like to work with [Frederick](#), please email him or Phoenix Branch Outreach Chair [Kent Lall](#).



**Electric Motors**



**Suspension Bridges**



**Roles of Engineers**



## Welcome New Branch Outreach Chair

Mr. Kent Lall has volunteered to serve as the Phoenix Branch Outreach Chair. Kent is Professor Emeritus at Portland State University. If you are interested in assisting with the Branch outreach efforts, contact [Kent](#).

## Leadership Opportunities in the Phoenix Branch

The Phoenix Branch leadership team currently has one opening – Social Media Chair. The anticipated time commitment is approximately two hours per month. If you are interested, contact President [Rob Lyons](#).

## ASCE PSWC Event Judges Needed

The Pacific Southwest Conference (PSWC) is ASCE's annual three-day competition that allows college engineering students to put their civil and/or environmental engineering skills to the test. The conference co-hosted by ASU and NAU, is being held April 12-24, 2018, at Arizona State University's Tempe Campus. Approximately 1,500 students from 18 universities in California, Nevada, Arizona, and Hawaii are expected to attend.

The conference organizers need volunteers and judges for the following events: Technical Paper Presentation, GeoWall, Environmental, Transportation, Survey, Sustainability Competition, Timber Strong Design Build, Concrete Frisbee, Jeopardy, Career Fair, Soccer, Basketball, Volleyball, Ultimate Frisbee, Obstacle Course, Kam Jam, Mystery Event, Impromptu Event, and Tug of War. If you can serve as a volunteer or judge for one or more of these events, [sign up](#).

# Southern Arizona Branch News and Notes

ASCE Southern Arizona Branch

February Luncheon

**Date:** February 1, 2018

**Location:** Viscount Suite Hotel, 4855 E. Broadway, Tucson, AZ 85711

**Time:** 11:30 AM – 1:00 PM

**Speaker:** Jeff Prevatt and Barbara Escobar

### **Arizona Pure Water Brew Challenge**

The AZ PURE Water Brew Challenge is prize winning project to introduce the concept of potable reuse throughout Arizona.

[Register here](#)

### **Mathcounts Competition**

The Mathcounts competition is scheduled for Friday, February 16th at the JCC.

For more information or to volunteer to help at the competition, please contact [LuAnne](#).

### **Mathcounts Golf Tournament**

The Mathcounts competition is scheduled for Friday, April 13, 2018.

For more information, please contact [Tim Rhine](#).

## **Phoenix Branch YMF News**

**ASCE Skye Gentile, PE, M.ASCE, President, Phoenix Branch YMF**

### **Register for Spring YMF PE Review Courses**

For members (and non members) who plan on registering for the Spring 2018 PE Exam, Phoenix YMF offers PE review courses to help engineers prepare to take the exam.

The course includes 10 classes instructed by practicing engineers, with each class providing studying and test taking materials. Additionally, a full length practice exam and solutions are provided at the end of the course. Classes are held Mondays and Wednesdays from 5:30PM-8:30PM at AZTEC Engineering (4561 E. McDowell Road).

For more information on class dates and fees - [registration form](#)

[Register online](#) or contact [Andrew Moreno](#) for any questions.

### **MATHCOUNTS Competition Volunteers Needed - 2/17/2018**

The regional Papago Chapter MATHCOUNTS competition is coming up again soon. This year's Papago Chapter competition will be held on Saturday, February 17, 2018 at Bioscience High School.

We are in need of volunteers to help with scoring that day. The time commitment is only approximately 8AM to 2PM. You'll be able to interact with incredibly smart 6th, 7th and 8th graders. Please contact [Cynthia Alvarez](#) if you are interested in

volunteering.

## Southern Arizona Branch YMF

### YMF PE Review Course

Need help studying for the PE?

We've got you covered with a review course to prepare you!

Sessions will be on Tuesdays & Thursdays 6:30 PM - 9:30 PM  
March 6th - January 18th, 2018

**Deadline to Register for Review Course is February 27th**

**\*Deadline to register for the April PE Exam is February 15th through NCEES\***

[More Information](#)

### Looking for Volunteers

ASCE is hosting a PVC Pipe Bridge Competition and we need your help! Come out and inspire the civil engineers of tomorrow...

February 10th @ GCU  
February 17th @ U of A  
April 21st @ Alhambra High School

[More Information](#)

## 2018 Geoscience Career Networking Event

# 2018 GEOSCIENCE CAREER NETWORKING EVENT

An Event for Students in the Earth Sciences

Wednesday, March 21, 2018

6:00 PM to 9:00 PM

ASU Student Pavilion Building

Hosted by:

- AAPG at ASU
- Geotech Institute - GSO
- CBBG
- GeoClub

Featuring:

- Networking
- Company Presentations
- Resume Critiques
- Mock Interviews

Students and Companies RSVP by Feb. 21,  
2018

(aapgatasu@gmail.com)

In association with:



AAPG  
Student Chapter



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