

THE ARIZONA CIVIL ENGINEER

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A Message From the President

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

Dreaming of Engineers!

Hello Everyone,

Hopefully March finds you doing well and your designs and projects are in full swing. This past month Engineers were active in our communities as many of our members participated in E-Week activities. However, it appears this year's E-Week activities were not as prevalent in some regions as there were no committees leading the effort. It is unfortunate when this occurs but perhaps it's a sign of how busy we are as a profession and as individuals. I personally was unable to participate in some of the activities that our memberships were promoting as I had previous engagements with work and family. I have learned, as I hope most of you have as well, there is a thing called work/life (and volunteer) balance and we each do what we can.



This past month also provided a great opportunity to promote engineering and ASCE through the Federal Government's release of the 1.5 trillion national infrastructure plan. Almost immediately upon its release, the Arizona Section was contacted by news sources asking for interviews in regard to Arizona's infrastructure and AZSCE's views in regard to our infrastructure needs. Our own Mike Worlton, Past-President and current Legislative/Public Affairs committee chair fielded the interviews, including an interview with the Cronkite News, Arizona Public Broadcasting Station. The interview can be seen [here](#).

Due to the recent release of the national infrastructure package the Arizona Section has decided to take advantage of the publicity and discussions being held regarding infrastructure. This will culminate with a State Capital Drive-In being held on Tuesday, March 20th, 2018. This is not an official event, per se, but the Section Board will provide our members with the necessary information to find out who their legislatures are and infrastructure discussion points. The plan is to coordinate our efforts so we can meet with our legislators in small groups, discuss our infrastructure needs, and promote ourselves as engineers. Please keep an eye out as more information will be sent out in the coming weeks and those interested in participating in these efforts please feel free to contact [me](#) or [Mark Lamer](#).

The last topic that I would like to discuss is an effort that ASCE Society has been pursuing. The Dream Big Movie has been a resounding success and now the second phase of the endeavor is under way. This phase is getting Dream Big to the masses, specifically, to our schools. ASCE has received funding to provide the movie to each public High School in the United States. However, the ASCE Foundation has another grant that allows funding to be matched 1:1 for Dream Big DVD's to be provided to Middle/Junior High Schools. The Arizona Section and our Branches want to take full advantage of this grant and will work with our groups to make sure this happens.

Further, the Section would also like to work towards placing Dream Big in all elementary schools as well. Rob Lyons, the Phoenix Branch President, has worked on a spreadsheet that breaks down the costs to the Section and our Branches to supply our schools with the DVD's. The breakdown can be seen below and while the cost of placing the movies in the elementary schools is considerable, I believe it's a challenge that we can take on as a group.

Branch/Section	Middle/Junior High	Cost	Elementary	Both	Cost	All Schools
Phoenix Branch	105	\$ 263	962	1067	\$ 5,073	1421
Yuma Branch	11	\$ 28	56	67	\$ 308	93
Northern Arizona Branch	34	\$ 85	199	233	\$ 1,080	359
Southern Arizona Branch	45	\$ 113	294	339	\$ 1,583	485
Arizona Section	4	\$ 10	19	23	\$ 105	42

The idea of providing Dream Big to our schools has many benefits as it not only introduces engineering to our children, it provides a platform that we (as engineers) can use to make contact and work with our schools and further promote our profession. Who knows what dreams may come as we meet students and discuss engineering.

Upcoming Events

March

Southern Arizona Branch Luncheon, March 1, 2018

Northern Arizona Branch Luncheon, March 8, 2018

Yuma Branch Luncheon, March 13, 2018

Legislative Fly-In, March 13-15, 2018

Phoenix Branch Luncheon, March 14, 2018

OPAL, March 15, 2018

PBYMF March Social Event, March 16, 2018

ASCE Arizona Legislative Drive-In, March 20, 2018

2018 Geoscience Career Networking Event, March 23, 2018

April

Yuma Branch Luncheon, April 10, 2018

Phoenix Branch Luncheon, April 11, 2018

Northern Arizona Branch Luncheon, April 12, 2018

PBYMF ASCE PSWC 2018, April 12-14, 2018

SABYMF Pipe Bridge Competition, April 21, 2018

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

Phoenix Branch News and Notes

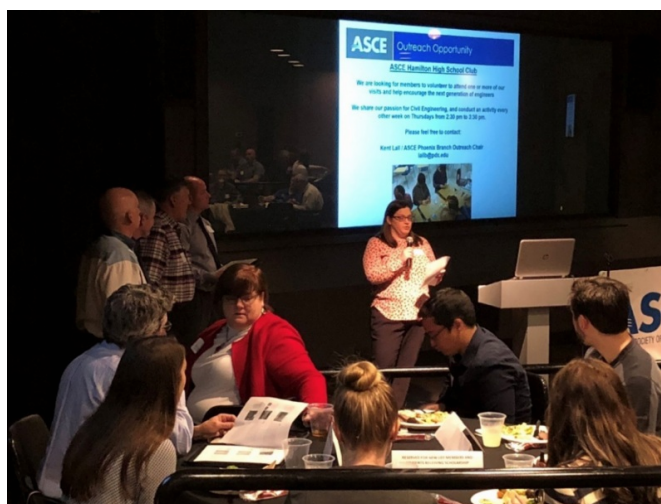
Larry Hanson, PE, M.ASCE, Vice President, Phoenix Branch

Recap of the February Luncheon

At the February 14 Branch luncheon, Kris Provenzano and Rich Thornton provided an interesting presentation on proposed upgrades to the water system serving the Grand Canyon Village – South Rim. The project is identified as the Grand Canyon: Trans-Canyon Waterline Replacement. Two options have been identified: replacing existing pipeline, and providing a new water source and treatment. The current environmental assessment is anticipated to be completed in 2018. Design will follow the anticipated issuance of a FONSI. Construction is anticipated to be completed in 2023. Kris Provenzano is the National Park Service's project manager. Rich Thornton is a project manager with HDR, the Park Service's consultant.



The Branch awarded \$400 scholarships to seven deserving ASU students.



The following ASCE members were recognized as achieving Life Member status: Kent Bormann, James Schlenvogt, Douglas Toy, Albert Clemmens, Thomas Loomis, Denis Howe, Robert Hughes, John Allen, and Thomas Amundsen.

Approximately 75 were in attendance at the luncheon.



March Luncheon

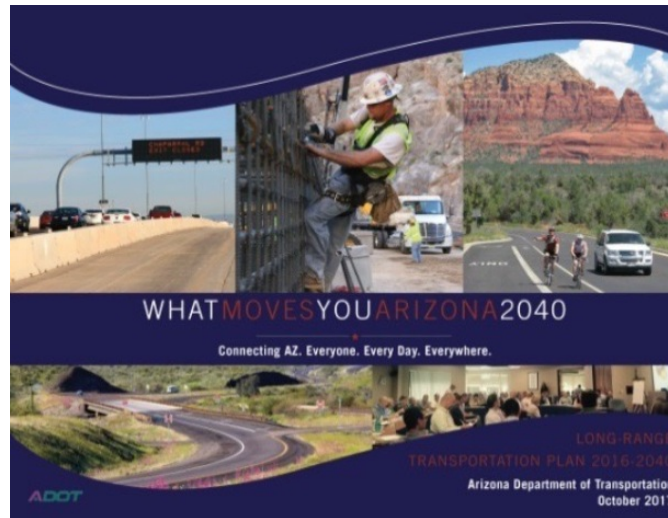
Date: March 14, 2018

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

Time: 11:30AM - 1:00PM

Speaker: Greg Byres, PE, Multimodal Planning Division (MPD)

Director, Arizona Department of Transportation. The MPD includes Planning, Aeronautics, Transit, Traffic Monitoring, Asset Management and Major Projects.



April Luncheon: Currently Being Finalized

Date: April 11, 2018

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

Time: 11:30AM - 1:00PM

Speaker: TBD

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](#).

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

March Luncheon

Date: March 1, 2018

Location: Hotel Tucson City Center, 425 N Granada, Tucson, AZ 85701

Time: 11:30 AM – 1:00 PM

Speaker: John Take, PE, P.Eng, ENV SP, Stantec Consulting Services Inc.

Permanent Canal Closures and Pump Project New Orleans, Louisiana

[Register here](#)

Phoenix Branch YMF News

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

March YMF Social Event! - 3/16/18

Arizona Science Center: Science with a Twist!



Experience smoking green beverages, activities that may lead you to the pot o' gold at the end of the rainbow, and demos with a wee bit of green science. Plus, experience the city nature destroyed but also preserved in POMPEII: THE EXHIBITION. No luck of the Irish required to join in the fun, you only need to be 21 or over. Don't forget to wear green - you might just get pinched.

When: March 16, 2018
5 pm to 9 pm

Where: Arizona Science Center
600 E Washington St,
Phoenix, AZ 85004

Cost: YMF will cover admission costs for the first 20 people to RSVP! (There will be cash bars throughout the event.)

Please send RSVP to [Courtney](#).

Additional information about the event can be found on the AZ Science Center [website](#).

ASCE PSWC 2018 Event Judges Needed - April 12-14, 2018

The ASU and NAU students are looking for volunteers to help them judge the events at this year's ASCE Pacific Southwest Conference they are hosting here in Phoenix on April 12-14, 2018! [Click here](#) to see the flyer with volunteer information and how to sign up. If you have any questions, please contact [Melanie](#).

Southern Arizona Branch YMF

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...

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:



Structures Congress 2018

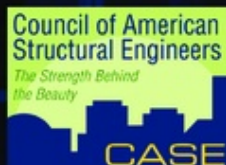


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SAVE \$
REGISTER BY 2-14

STRUCTURES CONGRESS 2018

Fort Worth, TX | April 19-21 • Fort Worth Convention Center
www.structurescongress.com



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- Participate in the Premier Event for Structural Engineering
- Learn from the experts
- Network with 1,200 of your colleague
- Earn PDH's
- Enjoy fun, social events with friends old and new...and much more



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