

## THE ARIZONA CIVIL ENGINEER

Volume 93 Issue 10 - August 2018

### A Message From the President

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

How has your Summer been? Hopefully you were able to get some well-deserved rest and take in some new sights and adventures. Now that your batteries are recharged it's time to think about taking on new projects and making new contacts. Attending the 2018 ASCE/ASHE Annual State Conference is a great way to start working on those objectives by providing a platform that offers great networking and learning opportunities.



The theme of this year's event is Dream Big: Showcasing and Growing the Civil Engineering Profession.

The Conference Committee has been diligently working on getting all the preparations in place and the Speaker Committee has done an excellent job of putting together a program that is a great mix of Civil Engineering topics that will relate to all disciplines. The Sponsorship Committee has also been working hard on obtaining funding that helps with the costs of the conference and allows the Arizona Section of ASCE to provide \$9,000 in scholarships to Civil Engineering students at our Universities. There are still sponsorships available!

Have you registered for this year's conference? Are you planning on attending? Interested in sponsoring? You still have time, but please note the cost of registration increases after September 3. Also, many of the sponsorships come with advertising opportunities and those graphics will need to be submitted early to make the program, typically mid-August.

This year's event will be on Friday, September 14, 2018 at the Desert Willow Conference Center in Phoenix, AZ. The details of the conference can be seen in the graphic below and further details on how to register for the conference, become a sponsor, and the tentative program can be found on the Arizona Section website located [here](#).

Another item I'd like to focus on is the Arizona Section of ASCE Board held its third annual strategic planning meeting in July. The gathering is organized and led by the current President-Elect and emphasizes the direction the board would like to take in the upcoming year. The strategic planning meeting is something the board starting doing a few years back and helps establish the upcoming budget and gives the incoming President a chance to launch their vision for the year ahead. Some of the highlights of the meeting are as follows:

- 1.) Budget Review
  - a. A DRAFT Budget was established for FY18/19
  - b. This year's budget will have increased travel expenses due to the location of the MRLC conference.
- 2.) Meeting Frequency & Schedule

- a. A tentative Section Board meeting schedule was established and the frequency of the meeting and/or use of technology was discussed.
- 3.) Conferences
  - a. The various ASCE Society and Region 8 conferences that Section Board members are required to attend were discussed.
- 4.) Mission and Goals
  - a. Newsletter ideas
  - b. Legislative Drive-In
  - c. Arizona Infrastructure Report Card Update
- 5.) Board Members
  - a. Public Relations – What should this position be doing, job description.
  - b. Technology Director (Webmaster)
- 6.) Subsidiary Groups
  - a. Identify roles that need to be updated and review committee performance.

Again, these are just some of the highlights from the meeting and, if you are interested, the full notes can be reviewed on the Arizona Section website [here](#). I would like to thank Ted Smithwick, President-Elect, for running a productive meeting and an additional thank you to Stanley Consultants Inc. for allowing us to use their facility from 12 PM – 5 PM on a Friday afternoon.

Before I go, I'd like to welcome all of our student members returning from summer break. Also, if there are any questions about the 2018 ASCE/ASHE Annual State Conference or the Strategic Planning Meeting, please feel free to contact me or any of the Section Board officers.

## 2018 ASCE/ASHE Annual State Conference Dream BIG: Showcasing and Growing the Civil Engineering Profession

2018 ASCE/ASHE Annual State Conference

**Dream**  
**BIG** Showcasing and Growing the  
Civil Engineering Profession

Desert Willow Conference Center  
4340 E. Cotton Center Blvd.  
Phoenix, AZ 85040

Registration	7:00 AM
Conference	7:30 AM - 4:30 PM
Networking Reception	4:30 PM - 6:30 PM

[Register for the 2018 ASCE/ASHE State Conference](#)

[Become a Sponsor of the 2018 ASCE/ASHE State Conference](#)

[Tentative Schedule](#)

# Upcoming Events

## August

Phoenix Branch Luncheon, August 8, 2018

Southern Arizona Branch Luncheon, August 8, 2018

Northern Arizona Branch Luncheon, August 9, 2018

Yuma Branch Luncheon, August 14, 2018

Phoenix Branch Sustainability Presentation, August 30, 2018

## September

Yuma Branch Luncheon, September 11, 2018

Phoenix Branch Luncheon, September 12, 2018

Northern Arizona Branch Luncheon, September 13, 2018

**2018 ASCE/ASHE Annual State Conference  
Dream BIG - Showcasing and Growing the Civil Engineering Profession,  
September 14, 2018**

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

## Board Member Opportunity for ASCE Arizona

Looking for an opportunity to serve on the ASCE Arizona Board of Directors? [Contact us](#) about becoming the ASCE Arizona Technology Director!

## Phoenix Branch News and Notes

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

### Recap of the June Luncheon

At the June 13 Branch luncheon, David Fabiano, PE, PWLF; Jack Gierak, CCM; and Ken Snow, PE, provided an interesting presentation on several current and planned infrastructure projects within the Town of Gilbert. The presenters also provided an overview of planning and economic development goals of the Town. David is Town Engineer, Jack is CIP Supervisor, and Ken Snow is a Senior Project Manager, all with the Town of Gilbert.



*David Fabiano*



*Jack Gierak*

Ryan Widjaja and Gabriel Wang, two members of a team from the Hamilton High School (Chandler) Civil Engineering Club provided a brief presentation on the project they worked on for the Stockholm Junior Water Prize (SJWP) competition. Their project involved looking at brine disposal associated with reverse osmosis water treatment technology. Charles Weeks, Hamilton High School teacher and faculty advisor for the Civil Engineering Club, also attended the luncheon and thanked the Phoenix Branch for providing guidance to the students.



*Gabriel Wang (left), Ryan Widjaja (center), Kent Lall (right)*

Approximately 101 people were in attendance at the luncheon.

## **Recap of the July Happy Hour**

Approximately 46 attended the July 12 Happy Hour at OHSO Brewery + Distillery in Arcadia. Thank you to those who made donations: \$125 dollars to purchase Dream Big DVDs for elementary schools in Maricopa, Pinal, and Gila counties; and \$75 dollars for St. Mary's Food Bank. The event was co-sponsored by the Branch and YMF.





## August Luncheon: ADOT: Loop 202 South Mountain Freeway Project Delivery Update

**Date:** August 8, 2018

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

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

**Speakers:** Steve Mishler, PE, ADOT Design Manager; Doug LaMont, PE, Connect 202 Partners' Design Manager; and Paul Arnold, Connect 202 Partners' Deputy Construction Manager. Steve is the Design Manager for ADOT's Major Projects Team and has been employed with ADOT for 21 years. Doug is a Senior Project Manager for WSP and has spent his entire 30-year career working on the delivery of ADOT projects. Paul has been employed for 20 years with Ames Construction and is currently a Regional Vice-President.

The presentation will provide an overview of the Loop 202 South Mountain Freeway project, the largest public works project in Arizona history. The current project budget is \$1.7 billion (R/W, demolition, utilities, design, construction). ADOT partnered with a private developer (Connect 202 Partners) in 2016 to design, build, and maintain the freeway for 30 years. Construction is anticipated to be completed in late 2019. ADOT and Connect 202 Partners will provide a brief project overview, current status, photos via drone, new construction techniques, and lessons learned.

For more information contact Rob Lyons at 480.222.5715

Advanced registration required.

## Sustainability Presentation

The Phoenix Branch will be hosting presentations on sustainable infrastructure and land use on Thursday, August 30<sup>th</sup>, from 7am-10am in the Maricopa Conference Room at the Maricopa County Dept. of Transportation, 2901 West Durango Street, Phoenix. Presenters from the ASCE Phoenix Branch, the Institute for Sustainable Infrastructure, ADOT, City of Phoenix, and Arizona State University will speak. An event flyer can be viewed [here](#) for further details. Light breakfast refreshments will be provided.

The registration cost is \$20 for ASCE members and \$25 for non-members.

Registration includes a continental breakfast. Register [HERE](#). For more information, contact [Michael Naber, PB Sustainability Chair](#), 602-542-0448. Professional Development Hours (PDH) will be available upon request.

## September Luncheon: Topic TBD

**Date:** September 12, 2018

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

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

**Speaker:** TBD

For more information contact Rob Lyons at 480.222.5715

Advanced registration required.

## Civil Engineering High School Club Wins SJWP National Competition

The Phoenix Branch is working with the Hamilton High School (Chandler) to maintain a Civil Engineering Club at the high school. Immediate Past President Frederick Tack began this outreach effort in 2017. Kent Lall took over the lead starting January 2018. The Club meets every other Thursday. For most of the spring semester, the Club members have worked on projects to participate in the Stockholm Junior Water Prize (SJWP) competition. Three teams worked on projects concerned with water purification, improving existing treatment systems, and desalination. One team completed the project in time for submission to the Regional Competition. This team consisting of Ryan Widjaja, Lindsay Chen and Gabriel Wang went on to win the Regional Competition! The team was invited to attend the national SJWP competition at the University of North Carolina at Charlotte, June 15-17, 2018. All travel related expenses for the team to travel to the national competition were provided by the Arizona Water Association and the Water Environment Federation. The team did well at the national competition but did not place for an award. By competing at the national they bring laurels to their high school. Hamilton High is the only CE Club in Arizona. The team acknowledges all the mentors who helped them along the way this year and particularly Frederick Tack who got them started on the project.

If you are interested in finding out more about this effort and/or would like to help starting this Fall, please contact Phoenix Branch Outreach chair, [Kent Lall](#).

## Leadership Opportunities in the Phoenix Branch

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

## Southern Arizona Branch News and Notes

### August Luncheon

**Date:** August 8, 2018

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

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

**Speaker:** Jay Van Echo, PE, ADOT I-11 Study Manager

**Topic:** Interstate 11 Corridor, from Nogales to Wickenburg, Environmental Review Process Update

[More Information](#)

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*The Arizona Civil Engineer is a publication of the Arizona Section of ASCE*

Information published in the newsletter must be consistent with  
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