

THE ARIZONA CIVIL ENGINEER

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A Message From the President

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

Hello Everyone!

I'm hopeful that you had a wonderful Thanksgiving holiday, enjoyed the break from the daily grind, and spent the day enjoying good food and great company. Like many people, my family and I enjoyed Thanksgiving by spending time with family and friends and eating way too much...well, at least I did. This year we didn't hold Thanksgiving at our house, thank goodness, so that meant we were traveling between my family and my wife's so that we could spend time with each. I know that during the holidays we are supposed to leave work behind and enjoy the family time, but I still find myself thinking about infrastructure as I travel. I am amazed and "thankful" for the benefits we have in this great state and nation that we live in and how blessed we are with the infrastructure we have. As I ponder this while traveling I am also reminded of what it takes to construct and maintain our infrastructure.



Speaking of infrastructure, last month I mentioned how the Section Board was contemplating updating Arizona's infrastructure report card and now I can report that we have decided to pursue this endeavor. One of the first steps the Arizona Section has taken towards updating our report card is we have submitted for a State Public Affairs Grant (SPAG) through ASCE Society to help offset some of the update costs. While we plan to update our report card regardless of receiving the SPAG grant, any funding received helps. The Section has also identified our champions in this effort, our current Past President Mark Lamer and our Legislative/Public Affairs Committee Chair and former President Mike Worlton. They bring experience and knowledge of the previous report card with them as the project begins, using their understanding of the report card process to help keep the effort moving forward. While this challenge is just beginning, soon Mark and Mike will need help from the Section membership as they form the update committee and lay the foundation necessary to begin the process. Keep an eye out as we ask for help and if you're interested in being on their committee or participating in the report card update please feel free to contact Mark, Mike, or any of the Arizona Section Board.

Getting back to the subject of travel, did you know the ASCE Arizona Section Board makes an effort to meet in person once a month, and actively moves the board meetings to different locations throughout the state? This helps us interact with our Branches and Chapters throughout the state. I can't take credit for this practice as it has been in place for quite some time and has a lot to do with how other sections within ASCE view ours in high regard. Why am I telling you this? Well we move the board meetings around for several reasons, but one of the best parts is we make sure to hold a board meeting with each of our student chapters at their respective university; Arizona State University, Northern Arizona University, and at the University of Arizona. This not only allows us to interact with the students, but it provides an

opportunity to give them a glimpse of what ASCE looks like beyond their student involvement. Another practice that I personally look forward to when meeting with the students is the professional development activities that we have with them. On November 7th, we held our board meeting with the NAU Student Chapter and after the meeting adjourned, the board members along with other professionals from the Northern Arizona Branch held a cover letter/resume review with the students. What a great opportunity for both the professionals and students and I challenge each of you to participate in similar activities when you have the chance.

As I wrap up the last message for 2017, I find myself thinking back to all that we have achieved this year and thinking about the upcoming challenges we have set for ourselves. The Section Board has challenged itself to update our report card by fall, hopefully giving the opportunity for our state's infrastructure to be a campaign discussion in the upcoming gubernatorial election. The Board also plans to continue the strong run of state conferences and plans to provide another great event with diverse topics of discussion. While I am speaking on behalf of the Section's past events and upcoming challenges, I would be remiss if I didn't mention how each of our Branches, Younger Member Forums, and Technical Committees and Institutes throughout the state continue to perform at high levels with many chances to become involved. Make it a personal challenge to take part in one of these opportunities, who knows, you may actually enjoy the experience and learn something new along the way.

One such event coming up soon is the Phoenix Branch's annual Holiday Party on December 6, 2017 at Aunt Chilada's at 7330 N. Dreamy Draw, Phoenix beginning at 5:30 PM. I'm mentioning this event because the Section Board will have our meeting on December 6th at 4:30 PM at Aunt Chiladas so that we may conduct necessary business and then take the opportunity to interact with the Phoenix Branch and others who attend the event. Hope to see you there!

Upcoming Events

December

SABYMF 21st Annual Sunstroke Golf Tournament, December 2, 2017

Arizona Section Board Meeting, held in Phoenix, December 6, 2017

Phoenix Branch Holiday Party, December 6, 2017

Yuma Branch Luncheon, December 12, 2017

Southern Arizona Branch Monthly Meeting, December 13, 2017

Northern Arizona Branch Luncheon, December 14, 2017

PBYMF Holiday Party, December 14, 2017

January

Arizona Section Board Meeting, held in Yuma, TBD

Yuma Branch Luncheon, January 9, 2018

Northern Arizona Branch Luncheon, January 11, 2018

The Western Regional Younger Member Council, January 11-14, 2018

Region 8 & 9 Multi-Regional Leadership Conference, January 12-13, 2018

University of Arizona News

Kevin E. Lansey, Ph.D, Professor and Department Head, CEEM

Homecoming and Departmental Honors

Greetings from Tucson. We had a wonderful Homecoming weekend on the 27th and 28th of October. On Friday, we recognized four notable alumni with Departmental honors. The four awardees are well known locally and across the state for their contributions to civil engineering in Arizona.

Mr. Joseph Olsen, (BS, 2001) was the lone recipient of the Outstanding Young Alumni award. Since 2014, Joe has served as the General Manager of Metro Water District that provides water to over 50,000 customers in NW Tucson. He spearheaded a multi-jurisdictional infrastructure system to convey renewable water to service areas that rely on an over-stressed groundwater aquifer. Prior to joining Metro, he was Interim Deputy Director and Planning Administrator at Tucson Water. In the Planning, Engineering and Maintenance Division he led a staff of over 300 people and managed a \$65M budget. In those positions, he has led collaborative efforts to enhance regional utilities' efficient use of their CAP allocations, developing long range infrastructure plans and was instrumental in several water resources management activities. In addition to his civilian work, he is a Lt. Colonel in the US Air Force Reserve after serving on active duty from 2001 to 2007. He has won numerous military and Arizona awards, earned a Masters of Military Science and Leadership from Air University and serves on several professional committees.

Three UA CE graduates were recognized as Distinguished Alumni. Mr. John Bernal (BS, 1969) was honored for his leadership with Pima County engineering administration, his work as a commissioner on the International Boundary and Water Commission (IBWC), and his contributions in engineering practice. Prior to his retirement in December 2016, John was the Deputy County Administrator for Pima County; a role in which he was responsible for overseeing 1,200 employees in the seven public works departments and a budget of \$428M. From 1994 to 2000, Mr. Bernal served as IBWC Commissioner of the United States Section and negotiated 16 international agreements to improve the quality of life of US and Mexican border residents. Earlier in his career, he was department and deputy director of PCDOT. Highlights of his contributions include roles in the planning of the Transportation Corridor Project, the Loop, and the Sonoran Corridor. What an amazing career in public service!

During his eminent career, Mr. Brooks Keenan (BS, 1976) has touched nearly all areas of civil engineering. He began and ended his career with structural engineering consulting firms and between worked for Pima County and the City of Tucson in transportation and flood control departments rising to the director and engineering manager levels. When Brooks left government service in 2008, he joined Transystems Corporation as the Tucson team leader and oversaw bridges designed across the state and nation. He is currently part of the SCE team. In addition to being well respected due to his high ethical standards, Mr. Keenan has directly supported our department with his time. Brooks has been part of the team of alums teaching our UA LRFD Bridge Design course since 2008 and was the lead instructor in the latest offerings. Brooks is also a noted Blues keyboardist, guitarist and harmonica player and was an inductee in the inaugural group to the Tucson Musicians Museum in 2007.

Finally, Ms. Claudia Perchinelli (BS, 1985) was selected as a Distinguished Alumna due to her 30 years of work and leadership in bridge design and structural engineering. She is our first, and will certainly not be the last, female awardee. Claudia

is a role model for our women students and demonstrated that a woman can thrive in our male-dominated field. Structural Grace, the firm that she founded in 1998, provides structural engineering, construction administration and construction surveying for transportation related structures. The firm has designed bridges across Arizona and places special emphasis on designs that fits the environment and are aesthetically pleasing. Her success is demonstrated by the numerous project and personal awards that she has garnered, including multiple projects of the year, ACEC Excellence Grand awards and Southern Arizona Engineer of the Year.

We are tremendously proud to list this group as four of our nearly 4,000 UA CE graduates. They have demonstrated excellence professionally and personally and are truly deserving of their recognitions. Thanks to Therese Lane for organizing a well-attended luncheon at the University Park Hotel, all of the nominators and the award selection committee for their help in recognizing these outstanding alumni.

Over 200 people attended our annual Homecoming BBQ. This event is the largest in the College of Engineering and is supported and funded by our alumni and Alumni-Industry Council. As always, it was an enjoyable time. This year, however, we had a twist. The night before the BBQ our caterer canceled. Thanks to Therese Lane, Diana Lansey, Karen Van Winkle and Jeanne Yordy for shopping and preparing all of the food. We were up and ready to begin cooking at 3:30. The SCE Student Chapter also stepped up and manned the grill. Special thanks to Francisco Gomez, Robert Melvin, Nick Tritz, Fernanda Fraijo and others who worked the grills. As a small thanks to the students, we had a second barbeque with the extra burgers. Thanks to Hunter Brown for cooking the burgers and the SCE and CEEM staff for setting up. Great teamwork on all accounts.

Bear Down. Go Cats!

Phoenix Branch News and Notes

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



Recap of November Luncheon

At the November 8 Joint ASCE Phoenix Branch/APWA luncheon, Dr. Mikhail

Chester, ASU, provided a presentation on challenges and opportunities for infrastructure systems that will experience a climate-impacted future (more frequent and intense heat and flooding).

Holiday Party

Date: December 6, 2017

Location: Aunt Chilada's, 7330 N. Dreamy Draw Drive, Phoenix, AZ

Time: 5:30 - 8:30 PM

Holiday party featuring a Mexican buffet. ACEC Arizona, ASCE EWRI, and ASHE Phoenix Sonoran are being invited.

[Advanced registration required.](#)

ASCE High School Chapter

The Phoenix Branch is working with the Chandler Hamilton High School to establish an ASCE chapter at the high school. Immediate Past President Frederick Tack is currently leading this outreach effort. If you are interested in finding out more about this effort and/or would like to work with Frederick, please [email](#) him.

Branch Awards

In November the Phoenix Branch will be soliciting nominations for the following awards:

[ASCE Phoenix Branch Government Civil Engineer](#)

[ASCE Phoenix Branch Project of the Year – Small and Large](#)

Nomination packets will be due by January 6, 2018.

Leadership Opportunities in the Phoenix Branch

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

Future City Competition

Future City is a project-based learning program where students in 6th, 7th, and 8th grades imagine, research, design, and build (small scale model) cities of the future. The Phoenix Branch is assembling a team of members to participate in the January judging of the regional competition here in Phoenix. Branch Treasurer Stephanie Templeton is leading the judging team. We are looking for volunteers to assist in the judging. If you are interested, contact [Stephanie](#).



December Luncheon

Date: December 13, 2017
Location: Hotel Tucson City Center, 475 N. Granada Ave (St. Mary's and Granada, SW Corner)
Time: 11:30 AM – 1:00 PM
Speaker: Fred Zobrist, PE, Retired ASCE Member

Fred will be sharing his career experiences on projects in Hawaii and Africa. His work experience includes over 100 countries and residency in seven.

[Register here.](#)

Southern Arizona Branch YMF News and Notes

Southern Arizona Branch YMF



ARIZONA SECTION
 Southern Arizona Branch
 YOUNGER MEMBER FORUM

21st Annual YMF Sunstroke Golf Tournament



Proceeds Benefit
 The UofA Civil Engineering
 Student Scholarship Fund

Arizona National Golf Club
 9777 E. Sabino Greens Drive
 Tucson, Arizona 85749

Saturday, December 2, 2017

7:30 a.m. Registration

8:00 a.m. Shotgun Start

Lunch, Awards & Raffle to follow

Prizes for:
 1st Place
 Longest Drive
 Longest Putt
 Closest to the Pin
& RAFFLE PRIZES!

Individual (Includes play for one, gift bag, and lunch)	\$125
Foursome (Includes play for four, gift bag, and lunch)	\$500
Tee Sponsorship (Sign with company name & logo at tee box)	\$250
Special Package (One Foursome & One Tee Sponsorship - SAVE \$100)	\$650
Tournament Sponsorship	\$1250

(Special Package, plus company logo displayed prominently at tournament and on SAB YMF website for ONE YEAR)

Make Checks Payable to:
ASCE SAB YMF
 OR
Pay Online!

Please Register By:
Monday, November 20th

Questions: ascsabymf@gmail.com

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