

THE ARIZONA CIVIL ENGINEER

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A Message From the President

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

SCHOOL'S OUT FOR SUMMER!! I know you're all singing along with Alice Cooper (and me) as you read that. The time of year has come that many of our student members look forward to and I'd like to recognize all of them for completing another year of school. I'd also like to send congratulations and well wishes to our graduating members. Good luck as you begin the next chapter in your life and remember that ASCE is a great resource to utilize with Younger Member Forums (YMF) and Branches in most locations, so no matter where you end up there's a good chance that ASCE has a presence there.



Before getting too far into the message I want to remind everyone that this newsletter covers both June and July. Since the next newsletter won't go out until August, there's some information that I want to make sure you receive. The first is regarding the DREAM BIG DVD and the initiative to get it in all the public schools. I know I have discussed this in previous newsletters and won't dive into the details again, but wanted to make a big shout out to all the groups in the Arizona Section for making such a big effort to get the DVD in all of the Middle/Junior High Schools and most of the elementary schools. The reason I bring up the subject again is that ASCE Society recently let us know the cost of the DVD will increase from the \$5 per DVD to \$19.99 after the introductory period which will end sometime in June. So, if you were thinking about making a donation to help place the DVD in an elementary school I'd suggest doing it sooner than later. If you want to make a donation please coordinate with your local Branch.

Another item I'd like to cover is voting. Last month we received an invitation to vote for ASCE President-Elect and various positions within Region 8 and now it's our turn. Soon material will be distributed with voting details for upcoming positions with the Arizona Section, Branch, and YMF. For the past couple years the Section has used an online voting system similar to what ASCE Society uses, so voting is easy to do. The information is being compiled and there should be more details coming out later in June so please keep an eye out and plan on participating.

The last item I want to cover is the upcoming 2018 ASCE/ASHE State Conference which will be held on Friday, September 14, 2018 at the Desert Willow Conference Center. The conference planning committee is busy getting everything ready for this year's event. I know the speaker committee has sent out a "call for presentations" and are looking for presentations, so if you are interested or know of a good speaker please contact [myself](#) or [Deirdre Brosnihan](#). The other committees are also busy working on the conference graphics, gaining sponsorships, and other conference items. If you are interested in becoming a sponsor or attending this year's event, registration is open and the information can be found on the Section website [here](#). If you have any questions about the

conference Deirdre and I are happy to talk with you.

Enjoy your summer!

Upcoming Events

June

SEAOA 52nd Anniversary Convention and Conference, June 7-9, 2018

Yuma Branch Luncheon, June 12, 2018

Phoenix Branch Luncheon, June 13, 2018

Southern Arizona Branch Luncheon, June 13, 2018

Northern Arizona Branch Luncheon, June 14, 2018

July

Yuma Branch Luncheon, July 12, 2018

Phoenix Branch Happy Hour, July 12, 2018

Northern Arizona Branch Luncheon, July 14, 2018

Upcoming Special Event

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](#)

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

**SAVE
THE
DATE**

Friday
September 14
2018

More details to follow

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](#)

2018 ASCE/ASHE Annual State Conference CALL FOR PRESENTATIONS

The Annual ASCE/ASHE State Conference is looking for presentations and topic suggestions to be shared with conference attendees. The conference theme is "Dream Big: Showcasing and Growing the Civil Engineering Profession", where we are looking to engage civil engineers across all generations, disciplines, and expertise to share their insights and successes to help further our profession in current and future generations. Last year there were 225+ members coming from various backgrounds, disciplines, and skill levels.

Please submit your presentations and suggestions of topics/projects using the [Presentation and Topic Form](#) by **Monday June 11th, 2018**.

Thank you for your consideration and feel free to ask us any questions!
[ASCE Conference Speaker Committee](#)

Phoenix Branch News and Notes

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

Recap of the May Luncheon

At the May 9 Branch luncheon, Phil Pearthree, Ph.D, provided an interesting presentation on the principal geologic hazards affecting the Central Arizona region including 1) earth fissures related to groundwater withdrawal and land subsidence; 2) flood hazards along smaller tributary washes and larger regional river systems; 3) landslides (rotational and translational landslides, major rockfalls, debris flows); 4) post-wildfire hazards, primarily flooding and debris flows; and 5) earthquake hazards. Phil is State Geologist and Director of the Arizona Geological Survey. He has M.S. and Ph.D. degrees in Geosciences from the University of Arizona.

Approximately 55 people were in attendance at the luncheon.



Phil Pearthree

June Luncheon: Town of Gilbert Engineering and Construction Overview, and CIP

Date: June 13, 2018

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

Time: 11:30AM - 1:00PM

Speaker: Speakers: David Fabiano, PE, PWLF, Town of Gilbert Town Engineer; Jack Gierak, CCM, CIP Supervisor, Town of Gilbert; and Ken Snow, PE, Sr, Project Manager, Town of Gilbert.

The presentation will provide an overview of some interesting design and construction projects within the Town of Gilbert. Projects include the Layton Lakes Force Main rehabilitation (a large-scale force main HDPE slipline project) and the Crossroads Force Main failure (Greenfield Road Sinkhole) which lead to the current WW105 System wide force main retrofit). The presenters will also provide an overview of the planning and economic development goals of the Town. Finally, a summary of upcoming civil engineering projects within the Town will be provided.

For more information contact Rob Lyons at 480.222.5715

Advanced registration required.

July - Branch Happy Hour

Come enjoy drinks with colleagues and clients!

Date: Thursday, July 12

Time: 5:30 pm

Location: O.H.S.O Brewery – Arcadia (the Upper Deck); 4900 E. Indian School Rd, Phoenix, AZ 85018

Parking: Complimentary Valet.

Cost to Register: Free. Buy your own beverages. Hors d'oeuvres (chips + guac, garlic pesto hummus, warm artichoke dip) provided.

Drawing for door prizes at 6:30 pm. Bring your business card for the drawing.

Wear an item from your college days! Prize given for most interesting college clothing.

Donations accepted for either purchase of Dream Big DVDs for elementary schools or for St. Mary's Food Bank.

Must pre-register online - details forthcoming.

The following organizations have been invited: AZ Section Board, Young Member Forum, EWRI, Geo-Institute, UESI, and the Society of American Military Engineers.

August Luncheon: TBD

Date: August 8, 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 Regional Competition

The 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 is now 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 are provided by the Arizona Water Association and the Water Environment Federation. Wish them luck as by winning the national, they could be traveling to Stockholm yet! The team wishes to acknowledge 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 next 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

June Luncheon

Date: June 13, 2018

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

Time: 11:30AM - 1:00PM

Speaker: Rod Lane, ADOT District Engineer

ADOT South Central District Update

[More Information](#)

SEAoA 52nd Anniversary Convention and Conference



SEAoA 52nd Anniversary Convention and Conference

June 7th - 9th, 2018

Attendee Registration Information

REGISTER ONLINE at <http://www.seaoa.org>

THE WIGWAM 300 EAST WIGWAM BLVD. LICHFIELD PARK, ARIZONA PHONE: (623) 935-3811

- Exhibitor Trade Show and Welcome Reception
- SEAoA Excellence Awards
- Raffle Prizes for Attendees
- Commemorative Gift
- Relaxing Resort Atmosphere



SEMINAR TOPICS (10.25 PROFESSIONAL DEVELOPMENT HOURS)

Keynote Presentation:

Virtual Outriggers and Creative Engineering -

Reaching New Heights in Mexico -

Christopher Crilly (Thornton Tomasetti)

Design and Detailing of Concrete Diaphragms -

Mike Mota (CRSI)

Seismic Isolation of the Giant Magellan

Telescope Eric Manuel (M3)

Structural Engineering Emergency Response -

David Troxell (SEER)

PCI Design Handbook, 8th Edition Updates -

Court Phillips (Salmons PC)

75 Rockefeller Plaza Column Transfers - Joe

Mugford (Gilsanz Murray Stefioc, LLP)

Masonry Design Using Either ASD vs LRFD - Dr.

Richard Bennett (University of Tennessee)

HSS Connection Design in AISC 360-16 -

Kim Olson (FORSE Consulting)

2018/2015 NDS/SDPWS-Updates and Often

Overlooked Provisions - Michelle Kam-Biron (AWC)

Sales and Marketing Tips for Structural Engineering

Businesses - Annie Kao (Simpson Strong Tie)

Fiber Reinforced Concrete; A Review on ACI

Guidelines for Design, Applications, Specifications

and Practice - Amir Bonakdar (Euclid Chemical)

Consent to Assignment Agreements, Copyright/

Licensing of the Instrument of Service - Gail S. Kelley

Empowering the Next Generation of Structural

Engineers - Ashraf Habibullah (CSI)

SEAoA 52nd Anniversary MAIN EVENT

Sponsored by

Ashraf Habibullah and

Computers & Structures, Inc.

Friday Evening June 8th 6-9pm

Food, Entertainment and Honoring our History

This event is included in the conference registration, however separate registration is available if you are not able to join us for the full conference (see website)



STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA PO BOX 645 TEMPE, AZ 85280 info@seaoa.org



SEAoA 52nd Anniversary Convention and Conference

June 7th - 9th, 2018

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REGISTER ONLINE at <http://www.seaoa.org>



THE WIGWAM 300 EAST WIGWAM BLVD. LICHFIELD PARK, ARIZONA PHONE: (623) 935-3811

2018 REGISTRATION RATES				CONVENTION AND CONFERENCE SCHEDULE	
Thursday Afternoon and Friday Sessions (10.25 PDHs)	Registration Period	Member Rates	Non-Member Rates	Thursday June 7th	Friday June 8th
	Early Registration March 6 - April 30	\$250	\$300	8:00 AM - 12 Noon Separate Registration Required (3.0 PDH) Sales and Marketing Tips for Structural Engineering Businesses AND Fiber-Reinforced Concrete: A Review on ACI Guidelines for Design, Applications, Specifications and Practice	6:30 AM - Breakfast 7:30 AM - 8:45 AM Keynote: Virtual Outriggers and Creative Engineering
	Standard Registration May 1 - June 1	\$300	\$350	1:00 PM Convention Opening Remarks 1:30 PM - 3:00 PM American Wood Council Presentation 3:30 - 5:00 PM Structural Engineering Emergency Response OR Seismic Isolation of the Giant Magellan Telescope	8:45 AM - 10:15 AM Design and Detailing of Concrete Diaphragms OR 75 Rockefeller Plaza - Column Transfers
	Bring-A-Colleague Combo Rate	\$250 Each Person	\$300 Each Person		10:45 AM - 12:15 PM HSS Connections Design in AISC 360-16 OR Masonry Design Using Either ASD or LFRD
	LATE/Walk-In Registration After June 1		\$400		12:15 PM - 1:45 PM Lunch Presentation SEAoA Excellence Awards
	Students VALID ID REQUIRED March 6 - June 1		\$25 Fee waived if sponsored by Chapter		1:45 PM - 3:15 PM PCI Design Handbook, 8th Edition Updates
Companion Registration Anytime		\$175		3:15 - 3:45 PM Attendee Raffle 3:45 - 5:15 PM Special Presentation Ashraf Habibullah	
Thursday Morning Session (3.0 PDHs)	Standard Registration	\$85	\$95	5:00 PM - 7:30 PM Exhibitor Trade Show	Friday Evening (Separate registration available) 7:00 PM - 11:00 PM SEAoA 52nd Anniversary MAIN EVENT Sponsored by Computers & Structures, Inc., Ashraf Habibullah
	LATE/Walk-In Registration Separate Registration on Website - After June 1	\$105	\$115		7:00 PM - Complimentary Cocktail Hour 7:30 PM - Dinner Service 8:30 PM - Presentation 9:00 PM - Entertainment - To Be Announced
Saturday Session (4.0 PDHs)	Standard Registration	\$65	\$75	Join SEAoA now for member rates and membership through July 2019	Saturday Ethics Seminar 8 AM - 12 PM Consent to Assignment Agreements, Copyright/Licensing of the Instrument of Service Separate Registration Required
	LATE/Walk-In Registration Separate Registration on Website - After June 1	\$80	\$90		\$99 Hotel Rate (Single & Double Occupancy) Rate Valid June 4 to June 12 (Resort fee is waived) Book by phone 800-327-0396 to request SEAoA Group rate or online: SEAoA 2018 Conference Wigwam Resort to receive our guaranteed lowest negotiated rate with no resort fees BOOK EARLY Rates are only available through May 16

The Structural Engineers Association of Arizona would like to invite the ASCE membership to their 52nd Anniversary SEAoA Convention and Conference in Phoenix, Arizona from June 7th - 9th.

This year's keynote presentation will be "Torre Koi: Virtual Outriggers and Creative Engineering: Reaching New Heights in Mexico" by Mr. Christopher Crilly, P.E., LEED AP of Thornton Tomasetti. Please see the attached flyer for a complete list of all of the speakers and presentations.

They would like to offer their member registration rate to the ASCE as well. When registering online please select the NCSEA category and use the coupon code: NCSEA-SEAOA-2018

Early Registration Rates: \$250 for Members
 After April 30th: \$300 for Members

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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