

# THE ARIZONA CIVIL ENGINEER

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**February 12**



### **A Message from the President**

**Breanna Connolly, PE, M.ASCE,  
ASCE AZ**

Many of us can attest, this year is starting out with a bang! Just from the standpoint of ASCE, we have had a lot of activity in January with the Region 8 Winter Assembly and Region 8 & 9 MRLC (Multi-Regional Leadership Conference), the development of the Arizona Report Card update pushing forward, the legislative drive-in to follow, and planning for E-Week in February.

While we were in the great city of San Francisco for the conference, it wasn't all just fun and games. At the Assembly we were reminded of the ASCE Core Purpose: **Help you matter more and enable you to make a bigger difference.** It was a great reflection on why we spend our time to be involved with ASCE. We

**February 13**

SABYMF Cornhole Tournament

**February 15**

SABYMF ASCE MESA PVC Pipe Bridge  
Competition

**February 16-22**

E Week

**February 19**

E-Week Tech Tour

**February 20**

E-Week Reception

**February 25**

Phx YMF General Meeting

**February 28**

MATHCOUNTS Competition

*For more information visit the [Calendar](#).*

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**Job Openings**

**Deputy Public Works Director**

City of Douglas

**Public Works Director / City Engineer**

City of Douglass

**Civil Engineer II**

City of Phoenix

**City Engineer**

City of Sierra Vista

*For more information visit the [Job Bank](#).*

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learned some tips on how to communicate more effectively, what resources are available to help engage members, ASCE Best Practices, and we reviewed the ASCE finances to make sure our funds are being used wisely and with the intent to support our core purpose.

At the MRLC we got to hear from our 2021 candidates for the Society President-Elect ([ASCE Elections](#); **voting to open May 1, 2020**). We talked about the future of engineering: how to attract the best and brightest, and how we fit into the [Future World Vision](#). We shared more ASCE Best Practices, and we learned the importance of Emotional Intelligence for using self-awareness to not only identify and manage our own feelings, but also in taking the time to recognize and acknowledge other people's feelings we are able to better make connections with people that are needed for good communication.

ASCE is working in conjunction with several other local engineering organizations to promote Engineering through E-Week activities February 16-22. Activities include: Educational Outreach, eDay at the Science Center, and a Reception for ALL engineers. Details on these activities can be found on the flyer below and the website: [E-Week](#). The Reception will be at **Fate Brewing Company** in Tempe on **Feb 20, 2020 at 5-7:30 PM**. Heavy Appetizers and Beverages will be provided at no cost thanks to our sponsors. If you plan to attend, please [RSVP](#). We hope to see you there!

Finally, one of our local members, Nicolai Oliden, will be featured this month on the ASCE Plot Points podcast discussing personal finance (2 Parts). Please check out the [Podcast](#) for this and many other interesting topics.



## Be a Pioneer of Progress

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Help give every child an engineering experience this Engineers' Week. See <http://www.eweek-phx.org/> or contact Ted Smithwick at [SmithwickTed@StanleyGroup.com](mailto:SmithwickTed@StanleyGroup.com) to get involved today.

DiscoverE.org/EngineersWeek  
#Eweek2020



GREATER PHOENIX EWEK

# Reception

Celebrate the engineering profession and impact of E-Week events in Phoenix amongst your peers.



201 E. Southern Ave. Suite 111  
Tempe, AZ 85282

THURSDAY  
FEBRUARY  
**20<sup>20</sup>**  
**5 - 7:30pm**

Heavy Appetizers and Beverages provided at no cost thanks to our sponsors!

To RSVP, visit [eweek-phx.org/index.php/reception/](http://eweek-phx.org/index.php/reception/)

DiscoverE.org/EngineersWeek  
#Eweek2020

## Phoenix Branch News and Updates

Skye Gentile, PE, Vice President, Phoenix Branch

### Recap of January Luncheon

At the January 8 luncheon, Joe Jannuzzi, PE, Project Manager with Case Foundation Company and Thayne Harris, Arizona Area Manager with Hayward Baker provided an interesting presentation on installation of drilled shafts for the recently opened ADOT Loop 202 South Mountain Freeway project,

as well as different techniques used and challenges on other foundation projects in the Phoenix metro area. As of January 1, 2020, Case Foundation Company and Hayward Baker are part of Keller. Thirty-nine were in attendance at the luncheon.



*L-R Joe Jannuzzi, Thayne Harris*



*L-R Joe Jannuzzi, Thayne Harris*

## **February Luncheon: City of Mesa Signal Butte Water Treatment Plant – ENR Environmental Over \$75M Southwest 2019 Project of the Year**

Date: February 12, 2020

Location: Gateway Community College, Building MA, Room MA1100

108 N. 40<sup>th</sup> Street, Phoenix, AZ 85034

Time: 11:30 AM to 1 PM

Speakers: Lance Webb, PE, Deputy Engineer, City of Mesa Engineering; Jesse Heywood, PE, Supervising Engineer, City of Mesa Water Resources; Reid Guzy, PE, Engineering Manager, Black & Veatch.



*Lance Webb*



*Jesse Heywood*



*Reid Guzy*

The presentation will include background and need for the new 24 million gallon per day surface water treatment plant, construction and startup in a compressed schedule, and lessons learned & best practices for construction. The \$126 million project was delivered using CMAR, with construction completed in 2018. The project was selected as ENR Southwest's 2019 Best Project in the Water/Environment category.

New Life Members will be recognized and ASU student scholarships presented.



For more information contact Larry Hanson at 480.231.4023.

Advance registration required.

## March Luncheon: Topic to be Determined

Date: March 11, 2020

Location: Gateway Community College, Building MA, Room MA1100

108 N. 40<sup>th</sup> Street, Phoenix, AZ 85034

Time: 11:30 AM to 1 PM

Speakers: TBD

For more information contact Larry Hanson at 480.231.4023.

Advance registration required.

## ASCE High School Club

The Phoenix Branch is working with the Chandler Hamilton High School Civil Engineering Club. Branch Outreach Chair, Andrew Chill, PE, is leading this outreach effort. If you are interested in finding out more about this effort and/or would like to work with Andrew, [please contact him](#).

## Southern Arizona Branch - What's Happening?

**Matt Flores, PE, M.ASCE, Vice President, Southern Arizona Branch**

## E-Week is Coming!

We are only 6 weeks away from E-Week, it will be here in no time!

Banquet Special Guest Speaker

***Kristina Swallow, P.E.***

Nevada DOT Director

2018 ASCE Society President

2019 U of A Distinguished Alumni

Events During E-Week include; Cornhole Tournament, Engineering Outreach, Awards Banquet, Tech Tour, Girl Day, and Mall Day. See the calendar in the link below for more details on each event!



***Kristina Swallow, P.E.***

Please register for the E-Week Banquet and don't hold back on the Sponsorships. Its going to

be a great night of recognition and fun!

[E-Week Event Calendar](#)

[Banquet Registration](#)

## E-Week Tech Tour & Optional Lunch

***February 19th, 2020***

Society of American Military Engineers (SAME) - Southern Arizona Post is hosting a free tour of Davis-Monthan's famous aircraft boneyard as part of Tucson's 2020 Engineers Week.

We will meet at Ramada 1 at the Todd M. Harris Sports Complex located at the northwest corner of Golf Links and Craycroft Roads. We will depart promptly at 9:00 am on a bus to the boneyard for the tour and will arrive back at the sports complex at 11:00 am.

[RSVP Here](#)



Option - After the tour, please join us for lunch and networking at Ramada 1. Cost for lunch is \$20.00

Sign up quick! Only 42 spots are available. The deadline to register for the tour and lunch is February 12, 2020. To register, please complete the registration form below.

All registrants must call Randy Harris or Tami Griffin at 520-748-2262 and provide full name, date of birth, social security number, and driver's license information to obtain base access.

## MATHCOUNTS Competition

**When:** Friday, February 28, 2020

**Where:** Tucson JCC

3800 E River Rd, Tucson, AZ 85718

More details to come...

If you are interested in being part of the student competition as a volunteer please contact [Deirdre Brosnihan](#).

**MATHCOUNTS®**

## Calling all Volunteers

Southern Arizona Research, Science and Engineering Foundation (SARSEF) is holding its annual science fair on **March 12, 2020** at the Tucson Convention Center (TCC) from 7 AM to 1 PM.

Each year ASCE members volunteer as judges for the ASCE Southern Arizona Branch Excellence in Engineering Award. Our volunteer judges select 1 deserving project from each of the 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade projects. The students win a certificate, \$150 cash prize and an invitation for the student and a parent/guardian to attend our May luncheon.

It's a fun and rewarding morning looking at students projects and then talking with them about their projects in preparation for the high school level where interviews are part of the assessment.

Breakfast, lunch and parking are provided.

If you are interested in being part of the judging team please contact [Deirdre Brosnihan](#) by February 14<sup>th</sup>.

## Save the Date! - MATHCOUNTS Benefit Golf Tournament



[Volunteer](#)

### Tournament Information

#### Time and Place:

Dell Ulrich Golf Course  
600 S Alvernon Way, Tucson, AZ 85711

[Get Driving Directions](#)

11:00 am Registration

11:45 am "Mob" Putting Challenge

12:00 pm Shotgun Start

4:30 pm Post-Game Reception



#### Entry Fees Includes:

- Lunch, Green Fees, Golf Cart, Range Balls
- "Mob" Putting Challenge - \$500 Cash Pot
- Hole-In-One to win a 2020 GMC Terrain

#### Reception Includes:

- Cocktails
- Hors d'oeuvres
- Raffle Prizes (Arizona Basketball and More!)

[Register Here](#)

## Phoenix Branch YMF News

Andrew Moreno, PE, M.ASCE, President, Phoenix Branch YMF

[New Chair Position - PE Review Course Proctor](#)



YMF is looking for candidates interested in proctoring the yearly Spring and Fall YMF PE Review Course classes. The Chair will work with the YMF Board to schedule and manage the classes for course registrants.

Expected commitment is approximately 18 afternoons a year, 9 each in the Spring and Fall. In addition to holding a YMF Chair position, the PE Proctor position will be PAID!

If you would like to submit your name for consideration, or have any questions about the position requirements, please contact [Andrew Moreno](#).

## ASCE Phx YMF General Meeting February 25, 2020

William Peterson will be speaking on his experience working as a Resident Engineer on the Sky Harbor Sky Train Phase 2 project. This \$740 million project will extend the existing Sky Train facility and provide connectivity to Terminals 3-4 and the Rental Car Facility. Completion of the project is scheduled for 2022.

When: Tuesday February 25, 2020

Time: 5:30pm - 7:00pm

Where: Half Moon Sports Grill  
2121 E Highland Ave  
Phoenix, Arizona 85016



*William Peterson*

## National E-Week Volunteers Needed

E-Week 2020 is right around the corner!



This week is a great opportunity to give back to the community by working with young students and inspire them to be the next generation of engineers! We are looking for volunteers to go to elementary schools and work with students for a couple hours with STEM related activities. The E-week committee will provide all supplies needed and provide ideas for the type of activities to do with students.

Additional information on registration can be found [here](#). For any questions please contact [Ted Smithwick](#).

To wrap up E-Week, ASCE and YMF will be hosting a celebratory happy hour for all E-Week

participants on Thursday February 20th at McFate Brewing in Tempe. Additional details on the event and to RSVP click [here](#).

## YMF/E-Week Hosted Happy Hour - Thursday February 20th

The February YMF Social has been rescheduled to combine with the E-Week Happy Hour on February 20th. Whether you volunteered for E-Week, or just want to network with engineers of all experience levels, come out and enjoy drinks and appetizers on YMF. Please RSVP [here](#)!



## ASCE Plot Points Podcast

In case you did not know, ASCE has a podcast specifically for young engineers. It is called ASCE Plot Points and it covers some really great career and personal information. Recently, our very own Nicolai Oliden, President of our Phoenix Branch YMF in 2017, was featured on the show!

Nicolai opens up about his personal financial journey and the mistakes he made early on. Nicolai started his own company EngineeringYOU to help young professionals learn valuable self leadership skills, not necessarily taught in college. Nicolai hopes this talk about finances will leave you thinking how you can do better with your money and start designing your own financial plan.



You can check out Part 2 the critically acclaimed podcast [here](#).

## 2020 ASCE Arizona Report Card - Drive In

The new ASCE report card for Arizona is due to come out in mid-April. In anticipation, the AZ section government relations committee would like to understand how many people would be interested in taking a day to drive down to the capital and meeting with local legislators to explain the findings to them. The report card is our greatest tool as engineers to help explain to non-engineers the importance of taxes which support our local infrastructure.

If you are interested, please fill out the form at [here](#)!

If you have any questions, please reach out to [Allison Sadow](#) or [Caitlyn Hall](#).

**Southern Arizona Branch YMF December Announcements**

**Celebrate Engineers Week With Us!**



YMF is hosting the **Cornhole Tournament**. Please [click here](#) to register!



## E-Week 2020 Calendar of Events

visit: <http://www.asce.org/branches-technical-groups/branches/southern-arizona-branch/>

*in Southern Arizona*

Organized by the Southern Arizona Chapters of:



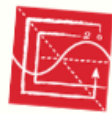
<b>Thursday, Feb. 13th</b>	<b>Cornhole Tournament</b> Appetizers and non-alcoholic drinks will be provided!	<b>6:00pm - 8:00pm</b>	<b>Culinary Drop Out</b>	RSVP to Deanna at <a href="mailto:Deanna.lopez@wsp.com">Deanna.lopez@wsp.com</a>
<b>Tuesday, Feb. 18th</b>	<b>The Southern AZ E-Week Awards Banquet</b> Join us for an evening of celebrating the accomplishments of engineers and educators in Southern Arizona who make a world of difference!	<b>5:00pm - 8:30pm</b>	<b>La Mariposa Resort 1501 N. Houghton Rd</b>	<a href="#">Register Here</a> or contact Chelsi at <a href="mailto:chelsi.remme@psomas.com">chelsi.remme@psomas.com</a> or call (520) 292-2300
<b>Wednesday, Feb. 19th</b>	<b>Engineering Outreach</b> Promote Science, Technology, Engineering, and Math at (local school).	<b>TBD</b>	<b>TBD</b>	RSVP to Luana at <a href="mailto:luana.broshears@psomas.com">luana.broshears@psomas.com</a>
<b>Wednesday, Feb. 19th</b>	<b>Davis-Monthan AFB Boneyard Tour</b> SAME is hosting a free tour of Davis-Monthan's famous aircraft boneyard! Optional lunch to follow tour.	<b>9:00 am - 11:00 am</b>	<b>Meeting point: Ramada 1 at the Todd M. Harris Sports Complex</b>	<a href="#">Register Here</a> Register by February 12th. Limited spots available!
<b>Thursday, Feb. 20th</b>	<b>Girl Day</b> Do you know a young girl between ages 11-15 who wants to discover engineering? Bring her to our technical tour hosted by female engineers and college students.	<b>8:30 am - 1:30 pm</b>	<b>Texas Instruments</b>	RSVP to Deirdre at <a href="mailto:Deirdre.Brosnihan@pima.gov">Deirdre.Brosnihan@pima.gov</a>
<b>Saturday, Feb. 22nd</b>	<b>Discover Engineering at the Mall</b> Promote engineering to children of all ages by hosting a hands-on activity.	<b>10:30am - 2:30pm</b>	<b>Park Place Mall 5870 E Broadway Blvd</b>	RSVP to Chelsi <a href="mailto:chelsi.remme@psomas.com">chelsi.remme@psomas.com</a> or call (520) 292-2300

Multiple organizations come together to organize the events shown above, giving you the opportunity to celebrate with us by attending and/or volunteering. During the Award Banquet ([Click here for Registration and Sponsorship](#)) the following award will be given:

**2020 Young Engineer of the Year**  
**2020 Educator of the Year**  
**2020 Engineer of the Year**

For more information, please contact [Chelsi Remme](#)!

**YMF PE Review Sessions**



**NCEES**  
advancing licensure for  
engineers and surveyors

**TIME TO STUDY!**

# YMF PE REVIEW SESSIONS

APRIL & OCTOBER EXAMS!

**March 10th - April 2nd**  
**Tuesday's & Thursday's**  
**6:00 PM - 9:00 PM**

Deadline to Register  
for April Exam is **February 20th**  
Deadline to Register  
for PE Review Course is **March 2nd**

**ASCE**  
ARIZONA SECTION  
Southern Arizona Branch  
YOUNGER MEMBER FORUM

**2020 YMF PE CALENDAR**

Date	Time	Location	Topic	Presenter	Company
TBD	6:00 PM - 9:00 PM	U of A, CE 201	Soils	TBD	
Thursday, March 12th	6:00 PM - 9:00 PM	U of A, CE 201	Structures	Allan Ortega	M3
Tuesday, March 17th	6:00 PM - 9:00 PM	Westland Resources	Hydraulics	Patrick Mette	Westland Resources
TBD	6:00 PM - 9:00 PM	U of A, CE 201	Materials	TBD	
Tuesday, March 24th	6:00 PM - 9:00 PM	U of A, CE 201	Hydrology	Adam Edwards	M3
TBD	6:00 PM - 9:00 PM	U of A, CE 201	Retaining Walls	TBD	
TBD	6:00 PM - 9:00 PM	U of A, CE 201	Construction	TBD	
TBD	6:00 PM - 9:00 PM	U of A, CE 201	Transportation	TBD	

\$250.00 per all 8 sessions  
\$50.00 per session

[Register Here](#)



## Volunteers Needed - ASCE MESA PVC Pipe Bridge Competition



Come out and inspire the civil engineers of tomorrow!

Volunteers will receive a T-shirt!

Continental breakfast and Lunch will be provided

**Saturday February 8th, 2020 @ GCU**

**Saturday February 15th, 2020 @ U of A**

**Saturday May 2nd, 2020 @ GCU**

7:30 AM - 12:00 PM

For more information please contact [Jose Aguilar!](#)

[Register Here](#)

## 23rd Annual ASCE SAB YMF Golf Tournament



ARIZONA SECTION

Southern Arizona Branch

YOUNGER MEMBER FORUM

# 23RD ANNUAL ASCE SAB YMF

## GOLF TOURNAMENT

Title Sponsored by:



Food Sponsored by:



**Western  
Technologies  
Inc.**  
The Quality People  
Since 1955



Tee Box Sponsored by:



**P S O M A S**

Raffle Prize Sponsored by:



Tee Box & Raffle Prize  
Sponsored by:



[See Pictures Here](#)

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