



The Arizona Civil Engineer

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

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Information published in the newsletter must be consistent with ASCE Arizona Board Policy.

President's Message
April 2016

*Mark Fountain, PE, CFM, ENV, SP,
President, M.ASCE*



Hello to all and thank you for your continued support of our amazing organization! I am continuously impressed at how proactive and forward-thinking our members can be. Amidst challenges of day to day life and the abundance of digital distractions, we continue to push forward and collectively lead as an excellent example in the Region. While our challenges are many and the resources are often few, we continue to achieve great things and be excellent stewards of our profession. I implore you to keep up the great work and let's make some additional outstanding impacts at the local level this year!

The season of voting is upon us. If you haven't turned on the television or read the newspaper lately it's the topic of several great friendly and heated debates. However, there is great news! There is one thing we all agree upon! That is our support for our very own Ms. Kristina Swallow who is currently campaigning for the ASCE President-Elect position! The Section has made the motion to approve, and provided a letter of recommendation for Kristina. In addition, I have personally written a letter of nomination for Kristina and encourage you to vote for her in the upcoming ASCE Elections.

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This newsletter is your link to Arizona civil engineers.

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For Information please contact:
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If you're looking for a civil engineering-related job, visit <http://www.azsce.org/classifieds.php>



Calendar of Events

April

6

Yuma Branch Luncheon

9

Southern Arizona Branch YMF v
UA SCE Student Chapter
Annual Softball Game & BBQ

12

Section Board Meeting


13

Phoenix Branch Luncheon
Southern Arizona Branch
Luncheon

14

Northern Arizona Branch
Luncheon

Pass the Civil PE Exam!
EngineeringVideos.Net



Full Video Subscription Only \$5/Month Practice Exams and Problems Only \$20-\$25/Book

Softball
Game and BBQ

Saturday April 9th, 2016
10:00 am - 1:00 pm
Golf Links Sports Complex



ASCE
ARIZONA SECTION
Southern Arizona Branch
YOUNGER MEMBER FORUM

VS

THE UNIVERSITY OF ARIZONA | **ASCE**
AMERICAN SOCIETY OF CIVIL ENGINEERS



Friday, September 9, 2016



**2016 ASCE/ASHE
Annual State Conference**

DESERT WILLOW Conference Center
4340 East Cotton Center Boulevard | Phoenix, AZ 85040

Registration	7:00 AM
Conference	7:45 AM-4:30 PM
Networking Reception	4:30-6:30 PM

Conference proceeds support student scholarships.

Recognition of Dr. Edward Nowatzki

Kevin Lansey, PhD, Professor and Department Head, Department of Civil Engineering and Engineering Mechanics

As most of you are aware, Dr. Edward Nowatzki passed away in May 2015. Dr. Nowatzki touched a tremendous number of engineers and students as a faculty member and practitioner. He was a professor in the Department of Civil Engineering and Engineering Mechanics (CEEM) from 1975 to 1989 and from 1996 through 2000 when he also served as associate Dept. Head upon return from Cal Poly-SLO. After stepping down, Ed continued to support the department as president of the CEEM Alumni-Industry Council and led the formation of the Friends of the CEEM Department.

Dr. Nowatzki was esteemed for his high ethical standards and his support of ethics training in our community. He also made outstanding practical technical contributions in his role as a geotechnical engineering consultant. Dr. Nowatzki was a recognized expert in the areas of soil nailing, soil nail wall systems, and soil-tire interactions. Over the course of his career, he achieved many awards including Civil Engineer of the Year in 1998 from the ASCE Southern Branch as well as State of Arizona Engineer of the Year in 2007 from the Arizona Society of Professional Engineers. In 2005, he was one of the initial group named as UA CEEM Centennial Professors. For a more extensive background, see <http://www.geoinstitute.org/in-memoriam-nowatzki/>

With the support of his family, a group of his friends and the Department's Alumni-Industry Council are moving to recognize Ed's contributions to the Dept. and the Arizona engineering community. Our goal is to raise \$25,000 to name Civil Engineering Room 201 the Edward Nowatzki Memorial Classroom. The naming funds will be converted to an endowment to defray the travel costs for speakers in the bi-annual Centennial Lecture Series that Ed was instrumental in initiating. We are now soliciting support from the Arizona CE community for this effort to acknowledge an eminent Civil Engineer, professor, colleague and friend. I encourage you and your firms to make a contribution by contacting Therese Lane at 520-621-6564 or visiting <https://www.uafoundation.org/netcommunity/sslpage.aspx?pid=965> (select "other" as the designation and enter "Nowatzki endowment").

ASCE April Luncheon

Southern Arizona Branch



Wednesday, April 13th, 2016

11:30 AM - 1:00 PM

Tucson City Center InnSuites, 475 N Granada Ave, Tucson

Welcome ASCE-AZWater Members and Guests!

This month's featured speaker is:

Matt Zoll

Pima County Bicycle and Pedestrian Program Manager

Mr. Zoll will be providing a status update on the development of The Loop, a planned 131-mile shared use pathway system that travels through Pima County. The Loop is nearing completion with several exciting developments underway.

ASCE Phoenix Branch News

Rob Lyons, PE, CFM, Vice President ASCE Phoenix Branch

Here is a brief update on what the Phoenix Branch is providing to our members and some upcoming events you won't want to miss.

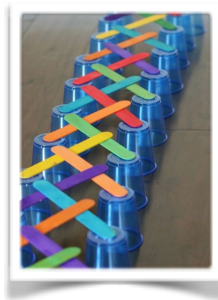


LAST MONTH....

March Luncheon

Phoenix Branch members had the pleasure of observing a great presentation by Carlos Lopez with ADOT's Multimodal Planning Division - Major Projects Group. Mr. Lopez discussed the latest ADOT Passenger Rail Corridor Study (Tucson to Phoenix) results.

On February 27th, for the end of the E-week festivities, ASCE Phoenix Branch, as well as members from the ASCE YMF and the ASCE ASU student chapter, came together at the Arizona Science Center to lead hands on activities for children. There were gum drop domes, popsicle stick and cup bridges, and floating concrete demonstrations. A fun time was had by all!



IN COMING MONTHS - Register at:

<http://www.azsce.org/branches-technical-groups/branches/phoenix-branch/>

April 13, 2016 - William Wiley, the Chief Engineer/General Manager of the Flood Control District of Maricopa County will be providing an update to FCDMC programs, planning, design, and construction projects.

ASCE Phoenix Branch Luncheons take place the second Wednesday of the month, Jan to June and Aug to Oct. at 11:30 a.m. to 1:00 p.m. The luncheons are held at Dave & Busters, Tempe Marketplace, 2000 E. Rio Salado Parkway, Tempe, AZ 85281.

May 18-20, 2016 - International Conference on Sustainable Design, Engineering and Construction (ICSDEC) - Tempe is fortunate enough to be the host of this year's ICSDEC 2016, a sustainability conference co-sponsored by ASCE and ASU. This is a great networking opportunity for anyone interested in the topic of sustainability within our industry. The conference will include both academic and industry tracks. Please mark your calendars and be on the lookout for more information; registration will be live soon.

Location: Arizona State University

[ICSDEC Conference Website](#)

Thank you for your membership and participation! ~ The ASCE Phoenix Branch Board

President's Message

Continued from Page 1

Behind the scenes of the day to day hustle our very own Mr. Mark Woodson has proactively prepared and submitted a proposal for consideration of future nomination for the Black Bridge located across the Colorado River and near Phantom Ranch to be recognized as an ASCE National Historical Landmark. Review and approval by the Grand Canyon National Park is in process. Please help me in thanking ASCE President Woodson for his outstanding efforts for this proposal toward the future nomination and recognition of Black Bridge.

Section Actions

- Ten proactive ASCE members met in Phoenix on March 2nd to speak with Representatives of the State regarding the Infrastructure Report Card, future funding needs, and HB2613.
 - The event was very successful and provided the opportunity for members to gain further understanding of the role we as engineers play in advising our elected officials about our states need for future funding, while minimizing risks to the profession through awareness of the concerns for deregulation of our partner professionals.
- The ASCE/ASHE annual conference committee is proactively underway with the support for the actions of sub-committees
 - The following sub-committees are actively working toward their objectives: Student Outreach, Program, Sponsorship, Contracts, Graphics, Constant Contact, Poster Contest, etc.
- Thomas Nelson from the Section is actively underway with respect to the testing and transitioning of QuickBooks for the soft development phase
- The Section has identified Fausto Burruel to attend the President and Governors Forum in September 2016 at Reston, Virginia.
- Upcoming R8 Meetings are as follows:
 - Fall Assembly meeting in Boise ID, August 26th and 27th.
 - Spring WSBL Los Angeles, January 12th through the 14th
 - Fall 2017 undetermined
 - Spring 2017 Las Vegas
- ACTION: 2017 Dues Collection is a topic of discussion for the next Section meeting; the Section is seeking input from subsidiary organizations regarding a potential increase of the dues collected.

Save the Date

Our next Section meeting is scheduled for Thursday, April 14th at Arizona State University! This meeting will be located in the Physical Science H-Wing 153 (PS H153). Please park in the Parking: Tyler St. Parking Garage.

This event will begin at 6pm with the first hour dedicated to the Pacific Southwest Conference Awards. The truncated Section meeting will begin at 7pm and extend to approximately 8pm. Don't forget those subsidiary reports are due by April 13th!

Please email to them to both of the following recipients:

Jeff Swan: jswan@npgcable.com

Mark Fountain: mark.fountain@hdrinc.com

MATHCOUNTS®

Southern Arizona Chapter Benefit Golf Tournament

Title Sponsor:



Friday, May 20th, 2016

Dell Ulrich Golf Course **11:00 am Registration**
(Broadway & Alvernon) **11:45 am "Mob" Putting Challenge**
Tucson, Arizona **12:00 pm Shotgun Start**



Four-Person Scramble
(Single Players Welcome)



"Mob" Putting Challenge

Entry Fee of \$125
per person includes:

- Green Fees, Golf Cart, Range Balls & Box Lunch
- Win a 2016 Buick Verano with a Hole-in-One! Sponsored by Royal Buick
- "Mob" Putting Challenge - \$500 Cash Pot
- Post-Game Reception

Be sure to stay for the Post-Game Reception!

Includes:

- Cocktails
- Hors d'oeuvres
- Raffle Prizes include an autographed UA Basketball
- Awards & Trophies

Your Support Counts!

MATHCOUNTS is a nationwide math enrichment, coaching and competition program that promotes math achievement and inspires a passion for mathematics in U.S. middle school students. Currently in its 33rd year, MATHCOUNTS is one of the country's largest and most successful education partnerships involving volunteers, educators, industry sponsors and students.

The MATHCOUNTS program consists of two parts - the National Math Club and the MATHCOUNTS Competition Series. The National Math Club provides the structure and activities needed to encourage the formation of math clubs within schools. It's designed to increase enthusiasm for math and engage students using a variety of math activities.

The MATHCOUNTS Competition Series promotes mathematics achievement through a series of engaging "bee" style contests. Like the Spelling Bee, MATHCOUNTS is a program where students progress from the School Competition to the Local/Chapter Competition to the State Competition and finally to the National Competition.

Proceeds from this golf tournament fund the MATHCOUNTS Southern Arizona Chapter Competition in February 2017 and the ASCE-SAB Scholarship Fund. Thanks to this generous donation provided by ASCE, MATHCOUNTS is able to provide our local middle school students with the foundation for success in science, technology, engineering, and mathematics careers. Thank you for your support!



[Click Here to Register Online](#)

MATHCOUNTS 2016 Golf Tournament Mail-in Registration/Sponsorship Form

Company/
Team Name _____

Contact
Phone/Email: _____

Player #1: _____

Player #2: _____

Player #3: _____

Player #4: _____

<input type="checkbox"/>	# of Players at	\$125 ea.
<input checked="" type="checkbox"/>	Sponsorship Opportunities:	
<input type="checkbox"/>	Tee Box	\$150
<input type="checkbox"/>	"Mob" Putting Challenge Sponsor	\$500
<input type="checkbox"/>	Hole Contest Sponsor	\$250
<input type="checkbox"/>	Buick Verano Hole-in-One	\$500
<input type="checkbox"/>	Lunch (2 available)	\$500
<input type="checkbox"/>	Post-Game Reception (2 available)	\$500
<input type="checkbox"/>	Title Sponsor (includes autosome)	\$1,500

Please make checks payable to:
ASCE-SAB

Send Completed Form and
Check by May 13th to:
c/o Tim Rhine
Kimley Horn
333 E. Wetmore Rd., Suite 280
Tucson, AZ 85705

Questions? Contact Tim at:
Phone: (520) 352-8630
E-mail: tim.rhine@kimley-horn.com

Total Enclosed:

I would like to donate a raffle prize or goody bag item. Please contact me.