

VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

February 2019 NEWSLETTER

www.engineersaz.com

The Engineers Club is a social organization which meets regularly for lunch with a speaker on a technical topic. Spouses are invited and many attend regularly. Short field trips are occasionally scheduled. Membership is open to anyone who has worked in or related to the engineering or scientific fields. Meetings are held at 11:30am on the first Friday of each month (unless otherwise noted), October through June, at Briarwood Country Club, 135th and Meeker in Sun City West, AZ
Visitors are always welcome - - just call Reservations at (623)544-0942 to let us know you are coming.

FEBRUARY 1 PROGRAM



Air Pollution Dynamics in the Phoenix Metropolitan Area

Ronald Pope, Atmospheric Scientist
Maricopa County Air Quality Department

Ronald Pope has worked in the field of environmental science for over twenty years, working with both water and air quality. Since 2002, he has worked for the Maricopa County Air Quality Department where he currently holds the position of Atmospheric Scientist. In 2014, Ron finished his PhD in Biology from Arizona State University with an emphasis on landscape ecology, an interdisciplinary spatial science that is concerned with the relationships between pattern and process. His past and current research areas include analysis of air pollution patterns, environmental justice, and asthma epidemiology.

Abstract: This presentation will discuss air quality regulation in the United States, including the history of the Clean Air Act and pollution trends across the country. Next, air quality in Maricopa County will be discussed, including the air pollutants of most concern, their sources, chemistry, health effects, and long-term trends. Finally, spatiotemporal patterns of pollution in the Phoenix Metropolitan area will be explored and air quality in Phoenix will be compared with other urban areas.

building an internal CMS, creating an online course evaluation system and implementing Salesforce for the college. Bobby then went to run the IT systems for the Thunderbird School of Global Management reporting directly to the CIO. There he had a hand in replacing or upgrading all the IT systems in place at the college. When Thunderbird and ASU merged in 2015, Bobby move over to ASU's central IT systems and had been leading the mobile, IoT and eAdvisor application portfolios. Bobby hold three degrees from ASU, a BA in Philosophy a BS in Psychology and an MBA with an area of emphasis in leadership.

Abstract: Learn about how higher education universities can act as a catalyst for innovation for Smart City endeavors. The presentation will help to clarify what constitutes a Smart City and the potential impacts to those who will reside within them. Along with understanding how Smart Cities could evolve, we will look into the role of universities to help drive those changes. Once we understand what a Smart City is, and how universities can drive them, we will continue to look at the implication of creating a Smart Region in the Phoenix metro area and the further benefits to industry, education and the constituencies living there.

MARCH 1 PROGRAM



Universities as a Catalyst for Smart City Innovation

Bobby Gray, ASU

Bobby Gray has been working in IT and higher education for almost two decades. He started his professional career as an application developer and worked his way up to leading a cross-functional development

team (web site technicians, application developers and data analyst) at the W. P. Carey School of Business. During this time he was responsible for re-vamping the schools website,

FROM THE PRESIDENT

At our last General Meeting on January 4, I made a plea for additional help for the board of our club. In 2018 I accepted the nomination for Vice President of VEST, a position which is again vacant this year. I accepted this nomination knowing that if I didn't, the position might remain unoccupied for a long period. If that position weren't filled, it could lead to other positions remaining unfilled as Board members had to resign for health or relocation reasons. We have several Board members who are considering stepping down for either the reasons I previously mentioned or they have just been doing their jobs for a while and would like to move on. If no one steps up to take over those positions as they become available, our Club will not be able to continue. Various other clubs throughout the Sun Cities have the same issues. A club similar to ours, the Petroleum Club, has had to close its club down due to the lack of member involvement. Please don't let this happen to our Club.

If you would like to step up and get involved and meet some nice people as I have, please talk to one of our Board members. We will be more than happy to help you get familiar with the operation with which you would like to get involved.

PLEASE CONSIDER VOLUNTEERING!

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2019 OFFICERS

President	Steve Sumner	623-544-7775
Vice President	Open	
Secretary	Doris Palmer	623-815-8143
Treasurer	Carol Mungas	763-639-3922
Asst. Treas.	Dave Campbell	510-703-7767

COMMITTEE CHAIRPERSONS

Programs	Rick Cecil	360-402-1695
Membership	Philip Main	623-748-8222
Reservations	Dave Whitehouse	623-544-0942
Luncheons	Susan Whitehouse	623-544-0942
Scholarship	Jim Schlenvogt	480-869-0548
Member at Large	Les Sherry	623-975-9081
Newsletter	Dave Campbell	510-703-7767
Event Audio	Hal Lind	623-546-6385
Event Computer	Richard Sarut	480-300-7251
Website	Dave Campbell	510-703-7767
Publicity	Lance Berglund	623-734-3737
Field Trips	Open	
Hospitality	Doris Palmer	623-815-8143
Past President	Tod Hamilton	623-572-8089

2019 VEST LUNCHEON DATES

February 1, March 1, April 5, May 3, June 7

HELP – VOLUNTEERS NEEDED

A World in Motion (AWIM) is in need of volunteer engineers and scientists to go into the Canyon Ridge Elementary School in Surprise to help support their program which promotes interest in the STEM fields. Volunteers would spend no more than one day a week (sometimes less) supporting the teacher in the specific project for that grade. Volunteers provide mentoring and assistance to the students who are generally organized into teams. The program is sponsored by the Society of Automotive Engineers and intended to get the kids in every grade interested in STEM curricula early by providing challenges that are centered around a fun, science-based project. If you're interested give Tom Terry a call at [231-622-1982](tel:231-622-1982) to discuss the program or come and sit in on one of the classes for the 5th grade which is occurring now. The more volunteers, the less the commitment is as we can spread our resources to accommodate the individual volunteer's schedules

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TREASURER'S REPORT JANUARY 2019

General Fund Balance:	\$ 9,643.32
Scholarship Fund:	\$ 1,115.00
Membership Total:	146

January 50/50 \$ 130.00.00 - winner was Jim Schlenvogt who donated his entire winnings to the Scholarship Fund! Thank You! (Ed note: apologies to Barbara Sumner for calling her Luura)

2019 membership dues are now due.

FUTURE MEETINGS

April 5

Title: Exploring Ocean Worlds

Speaker: David Williams, PhD ASU

LUNCHEON MENUS

February 1: #1 Stuffed Pork Loin, or #2 Shrimp Scampi
Both entrées will come with Caesar salad, AuGratin potatoes, vegetable mix, and cheesecake with raspberry sauce.
(*Grilled Vegetable Plate or Fruit Plate also available*)

March 1: #1 Beef Tenderloin Medallions, or #2 Alaskan Cod with herb Crust and Seafood velouté
Both entrées will come with house salad, Lyonnaise potatoes, vegetable mix, and yellow torte with lemon filling. (*Grilled Vegetable Plate or Fruit Plate also available*)

RESERVATION POLICY

The cost of the monthly luncheon is \$22.00 cash or check. The reservation deadline is 6 PM Monday before the meeting.

Late reservations cannot be guaranteed the regular meal. Call Dave Whitehouse to cancel your reservation.

Note that the full cost of the luncheon will be charged for "no-shows" and cancellations after 5 PM on Wednesday before the meeting.

Please have cash or make out your check in advance.



"Whalecome" to studying the ocean in Arizona!

January 4 speaker: Charles Rolsky, PHD student, ASU

For more information on our speakers, please visit our website at www.engineersaz.com