

WEST VALLEY STEM CLUB

February 2022 NEWSLETTER

www.engineersaz.com

The Engineers Club is a social organization which meets monthly for lunch with a speaker on a topic of interest. Spouses and guests are invited and many attend regularly. Short field trips are occasionally scheduled. Membership is open to anyone who has worked in or has an interest in Engineering, Science or Technology. 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. Guests are always welcome. Contact Phil Main: maintwin3@gmail.com, 623-826-0101 (cell).

FEBRUARY 4 PROGRAM

APS Renewal Energy Plans, Electric Vehicles and the Power Grid

Jason Smith and Randon Allen
Arizona Public Service

Abstract: APS representatives will provide an overview of the company's clean energy plan, generation portfolio, overall grid health and planning for renewables and elective vehicles.



Jason Smith is an Energy Innovation Program Consultant on the Product Development and Strategy team in Arizona Public Service's (APS) Customer to Grid Solutions group. APS is an electric utility serving nearly 1.3 million homes and businesses in 11 of Arizona's 15 counties, and is a leader in delivering affordable, clean, and reliable energy in the Southwest.

Mr. Smith develops programs and initiatives focused on electric vehicles (EV), EV charging infrastructure, and rates, while guiding company strategy around transportation electrification (TE). In this role, Mr. Smith works on TE policy at the state regulatory and legislative levels, and engages with a variety of stakeholders, both locally and nationally, to drive increased transportation electrification and help reach APS' clean energy goals.

Prior to his work at APS, Mr. Smith served as the Director for State Energy and Regulatory Policy at the Edison Electric Institute (EEI) in Washington, D.C.; a trade association representing all U.S. investor-owned electric companies. In this role, Mr. Smith worked in the State Regulatory and External Affairs sections at EEI, where he focused on a variety of policy issues affecting the electric power industry at the state regulatory and legislative arenas, including the clean energy transition, changes to the business model, and grid modernization initiatives. In this role he also engaged with a variety of stakeholders including state energy officials, state consumer advocates, state legislators, public utility commissioners, and state environmental regulators.

Mr. Smith holds a Bachelor's degree from The College of William and Mary and a Master's degree in Energy Policy and Climate from Johns Hopkins University.

Randon Allen graduated from Northern Arizona University in 2016 with a BS in Electrical Engineering. As a Distribution Planning Engineer at Arizona Public Service (APS) he supports customer projects, annually forecasts distribution system conditions, and sponsors system improvements efforts. With the increase of electric vehicle (EV) adoption, he has expanded his role to include planning for EV charging demand and improving processes at APS to incorporate current and future EV technologies.

PRESIDENT'S MESSAGE

Jim Schlenvogt

Hello everyone! Welcome to the month of February. February is the month to remember your Valentines, the Presidents, and February 20-26 is ENGINEERS WEEK, "Reimagining the Possible". Thanks to all of you the Club was able in October to January to collect \$1,175 for Scholarship Donations. This was an excellent increase in scholarship donations and allows us to "Reimagine the Possible". This increase and the members' contributions during the year have allowed our Club's Board of Directors to approve a \$3,000 scholarship for 2022. The Scholarship Committee consists of the following members:

Jim Schlenvogt – Chairperson Carol Mungas
Karen Campbell George Zieglgansberger

If anyone is interested joining the Scholarship Committee, please feel free to contact one of the Committee members.

Finally, remember our Club business card project and recruiting new guests and members to our Club. Please keep one business card for yourself, and share the other Club business cards with potential guests and future members. If you need more Club business cards to hand out, I have more Club business cards. In 2022, we currently have approximately 51 members, and there are at least 40 past members. We would really like them to update to their 2022 membership. It is only \$25 per calendar year – a real bargain for professional membership.

In conclusion, in 2022, we will have interesting programs and other activities. Please feel free to bring a guest!

THANK YOU!

WEST VALLEY STEM February 2022

2022 OFFICERS

President	Jim Schlenvogt
Vice President	George Zieglgansberger
Secretary	Marilyn Dumond
Treasurer	Carol Mungas
Asst. Treas.	Dave Campbell

COMMITTEE CHAIRPERSONS

Programs	Peter Rauen/Jim Schlenvogt
Membership	Philip Main
Reservations	Philip Main
Luncheons	Peter Rauen
Scholarship	Jim Schlenvogt
Member at Large	Peter Rauen
Member at Large	George Zieglgansberger
Newsletter / Website	Dave Campbell
Event Audio	Hal Lind/Doug Totel
Event Computer	Paul Scherer
Publicity	Lance Berglund
Field Trips	Open
Hospitality	Open

Email the Board at: board@engineersaz.com

huge team of highly skilled scientists, engineers, service-members and divers to understand the processes of corrosion and preservation still at work on a 608-foot long battleship now resting on the seafloor of Pearl Harbor for more than 80-years. Please join us as we take a wide-ranging look at the science, technology and thought that has steered more than 2 decades of preservation and management for this remarkable touchstone of American and world history.

You Can Help Recruit New Members

- Hand out business cards to friends and family
- Leave business cards at local businesses that have a display area for them

TREASURER'S REPORT December 2021

General Fund Balance: \$ 6972.44

Membership Total: 91

January 50/50 was \$ 66.00 - Congratulations to winner George Zieglgansberger who donated his winnings to the Scholarship Fund. Thanks!

2022 VEST MEETING DATES

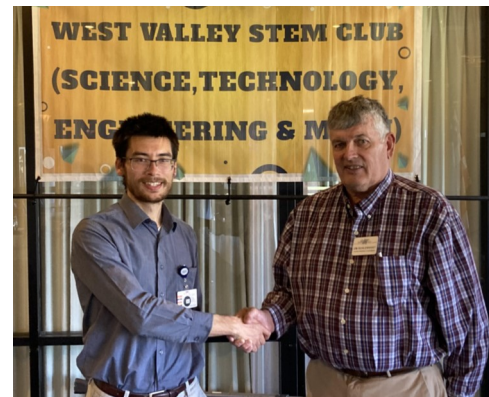
February 4, March 4, April 1, May 6, June 3, October 7, November 4, December 2

MARCH 4 PROGRAM

The Science of Steel and Sacrifice: Delving Deeply into the Science of USS Arizona
Dr. Donald Johnson and Dr. David Conlin

Abstract: On December 7th, 1941 a sudden and catastrophic attack by the Japanese Navy on the American forces of Pearl Harbor Hawaii left a massive trail of destruction and pulled the United States into World War II. Among the casualties from that day was the First-Rate Battleship USS Arizona. While much of the American fleet was repaired and re-entered the fight with Japan, Arizona remains to this day as a memorial to service and sacrifice.

For more than 20 years, University of Nebraska Metallurgical Engineer Dr. Donald Johnson and National Park Service Archaeologist Dr. David Conlin have been working with a



JANUARY 7

Senescence and Metabolic Biomarkers in Parkinson's

Dr. Alexander Choi
Movement Disorders Specialist
Banner Sun Health Research Institute

2022 MEMBERSHIP DUES

Dues for 2022 are \$25.00 of which half goes to the Scholarship Fund. **Please consider making an additional donation to the Scholarship Fund** (put scholarship in the memo line). Please mail your check(s), made out to West Valley STEM to: Philip Main, 17604 N Buntline Drive, Sun City West, AZ 85375-5148, maintwin3@gmail.com, 623-748-8222 (Home), 623-826-0101 (Cell)