

VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

November 2020 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 Currently we are not meeting due to the COVID-19 Pandemic.

NOVEMBER 6 PROGRAM

DREAM BIG: ENGINEERING OUR WORLD

A 42 minute video released on
February 13, 2018.



Narrated by Academy Award® winner Jeff Bridges, DREAM BIG: Engineering Our World is a first film of its kind for IMAX® and giant screen theaters that will transform how we think about engineering. From the Great Wall of China and the world's tallest buildings to underwater robots (**from an Arizona High School!**), solar cars and smart, sustainable cities, DREAM BIG celebrates the human ingenuity behind engineering marvels big and small, and shows how engineers push the limits of innovation in unexpected and amazing ways. With its inspiring stories of human grit and aspiration, and extraordinary visuals for the world's largest screens, DREAM BIG reveals the compassion and creativity that drive engineers to create better lives for people and a more sustainable future for us all. DREAM BIG is a MacGillivray Freeman film produced in partnership with the American Society of Civil Engineers and presented by Bechtel Corporation.

PRESIDENTS MESSAGE

This has been a challenging year for the club with the COVID-19 Pandemic. We have not been able to have an "In Person" General Meeting since March and probably won't be able to have another "In Person" meeting until at least February, 2021, depending upon availability of a vaccine for the virus. We have not been able to have our usual 50-50 raffle which provides funding for our scholarships. As such, the Board felt it would be prudent to raise the annual dues for the club to \$25.00 to fund the scholarships. We also have an expense for the ZOOM meetings in order to continue past the 40 minute time limit which is imposed by ZOOM. There are other expenses involved with obtaining speakers. We are currently in the process of obtaining speakers for programs into 2021.

We also will be looking into using alternate venues when we can get back to "In Person" meetings. However with the pandemic, we have not been able to start looking yet. We will as soon as the situation allows. In the meantime, if anyone has suggestions as to alternate venues, please contact one of the Board members.

One other thing to mention is election for officers for 2021. That will take place in December. Again, if anyone has a person they would like to nominate for President, Vice President, Secretary or Treasurer, please contact one of the Board members. For the sake of continuity, I will stay on as President if so desired by the Club members. Jim Schlenvogt has volunteered to run for Vice President. Carol Mungas will stay on as Treasurer and Marilyn Dumond will stay on as Secretary if so elected.

Our next General Meeting is scheduled for Friday, December 4, 2020 at 11:00 A.M. It will also be held by ZOOM Teleconferencing.

DECEMBER 4 PROGRAM

Surprise Economic Development Department AZ TechCelerator

Julie Neal, Economic Development Coordinator,
City of Surprise



Julie moved to Surprise Arizona in August of 2009. She joined the Surprise Economic Development Department in October of 2009 as a volunteer assisting with the start up of the AZ TechCelerator and was hired in April 2010. Julie's primary focus is the management of the city's incubator, the AZ TechCelerator. Julie's experience as a small business owner herself, starting her first company in high school, allows her to be a great resource in assisting local entrepreneurs with the business start up process. Julie has a degree in Graphic Design. She lives in Surprise Arizona is married and has a son. Julie will describe how the incubator came to be, how it operates and introduce two current businesses operating out of the incubator.



ReSuture is reimagining surgical training so that surgeons are as prepared as possible before entering the operating room. As trained biomedical engineers, Hannah and Ben, the founders of ReSuture, believe it is our responsibility to leverage innovative technologies to improve the quality of human life. To re-

(Continued on page 2)

2020 OFFICERS

President	Steve Sumner
Vice President	Open
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	David & Susan Whitehouse
Newsletter / Website	Dave Campbell
Event Audio	Hal Lind
Event Computer	Paul Scherer
Publicity	Lance Berglund
Field Trips	Open
Hospitality	Doris Palmer

Email the Board at: board@engineersaz.com

TREASURER'S REPORT SEPT 2020

General Fund Balance:	\$ 8,621.05
Scholarship Fund:	\$ 1,626.00
Membership Total:	121

February 50/50 was \$ 68.00 - Congratulations to winner Charles Gilmore who donated \$63.00 to the Scholarship Fund. Thank you Charles!

(Continued from page 1)

duce the burden of surgical complications, our team has dedicated themselves to solving the biggest problems facing surgical training today by creating highly accurate and procedure specific surgical training tools.

Mr. Glenn Fletcher from Efficient Thermal Energy will discuss new energy technology. This new technology is an advancement and answer to reduce the total energy consumption thus reduce the cost and also provides a "renewable energy" solution, providing usable water in remote and arid regions and industry.

2020 –2021 VEST MEETING DATES

December 4, January 8, February 5, March 5, April 2, May 7, June 4, October 1, November 5, December 3

HAPPY
THANKSGIVING

V.E.S.T. SCHOLARSHIP UPDATE

By Jim Schlenvogt

VEST Club Scholarship Committee Chairperson

Each year V.E.S.T. awards a scholarship to an engineering, science or technology, (STEM) student completing their sophomore year and entering Arizona State University as a junior. We have worked primarily with Glendale Community College This year the VEST Scholarship Committee includes the following members: Carol Mungas, Karen Campbell, George Zieglgansberger, and Jim Schlenvogt (Chairperson).

Once the VEST Treasurer receives the Student ASU ID #, the V.E.S.T. scholarship payment is made directly to ASU in two installments – one in August and one in January. The ASU Financial Aid Office deposits the funds in the student's "MyASU Account." These funds are applied to ASU charges for tuition, fees, housing, and meal plans, but not books. If all ASU charges are paid, the balance, if any, is refunded to the student. The cost for university tuition and fees is \$12,400 per year and this does not include books, housing, food, or other related expenses.

For the academic year 2020-2021, we awarded two student scholarships, one \$3,000.00 scholarship and one \$1,000.00 scholarship. The August payment has been made. In December the student must provide proof he/she has maintained a 3.0 grade point and are enrolled for the second semester before the January payment is made.

First Scholarship: Allan DeBoe - Software Engineering - May, 2020 GCC Graduate to attend ASU in Fall, 2020 - Scholarship: \$1500 in August, 2020 and \$1500 in January, 2021 for a total of \$3,000.

Second Scholarship: Donovan Bowler - Industrial/ Mechanical Engineering - May, 2020 GCC Graduate to attend ASU in Fall, 2020 - Scholarship: \$1000 in January, 2021 for a total of \$1,000.

Allan DeBoe is scheduled to attend the November VEST meeting and Donovan Bowler is scheduled to attend the January 2021 VEST meeting to provide more information on their backgrounds and to thank the VEST Club for their 2020-2021 scholarship donations.



Smart Sewers for Smart Cities: Informing on Public Health through Wastewater Analysis

March 6 speaker: Adam J. Gushgari, PhD, PE ASU
For more information on our speakers, please visit our website at www.engineersaz.com