

# VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

December 2020 NEWSLETTER [www.engineersaz.com](http://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.

## DECEMBER 4 PROGRAM

### Surprise Economic Development Department AZ TechCelerator

Julie Neal, Economic Development Coordinator,  
City of Surprise, Hannah and Ben of ReSuture, and Glenn Fletcher  
of Efficient Thermal Energy



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 reduce 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.

## PRESIDENTS MESSAGE

As I said last month, the COVID-19 Pandemic has been very challenging to the Club. I am sure everyone will be glad to see the end of the year 2020. I know I will.

The Pandemic has called some clubs to suspend operations until such time as it is safe to resume. We have elected not to meet in person, but to continue on with virtual Zoom meetings on line.

However, member participation has been very disappointing. We have tried to make access to the virtual Zoom meetings as easy as possible by furnishing to the members the link to the meetings.

All that you have to do is click on the link with the mouse and you will be taken directly to the meeting. If you have a smart phone, you can dial one of the numbers given and you will be connected. Even if you have a flip Phone, you can dial the number given and listen to the audio. We will subsequently develop individual "breakout" rooms which will allow you to be with your friends similar to the tables we had at our in-person meetings. We have some interesting programs lined up for virtual presentations and hope you will give it a try.

Our next virtual meeting will be at 11:00 A.M. on Friday, December 4, 2020. Hope to see you then. In any event, I hope you have a happy holiday season.

## ALLAN DEBOE – VEST 2020-2021 SCHOLARSHIP WINNER

The Scholarship Committee awarded a Valley Engineering, Science and Technology (VEST) Club \$3,000 Tuition Scholarship to Allan DeBoe. Allan's academic record to date, his references and his demonstrated leadership qualities convinced us that he has the potential to reach his Arizona State University, (ASU) Software Engineering goals. We were pleased to have Allan attend the November 6 Zoom meeting to discuss his educational goals.

Allan is the first in his family to attend college. He graduated with a two year Software Engineering Degree in May, 2020 from Glendale Community College, (GCC). He had a 3.813 GPA at GCC. At

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## 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
<b>Reservations</b>	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](mailto:board@engineersaz.com)

## JANUARY 8 PROGRAM

### Sky Harbor Airport

### City of Phoenix Aviation Department



Heather Shelbrick  
Public Information Manager,  
Public Relations Department within the  
City of Phoenix Aviation Department

Heather Shelbrick is the Public Information Manager, Public Relations Department within the City of Phoenix Aviation Department, which includes Phoenix Sky Harbor International Airport and two general aviation airports, Phoenix Deer Valley and Phoenix Good-year.

At the January 8th Zoom Meeting, she will talk about over \$1 Billion of new construction projects at Sky Harbor Airport, the Airport protocol for Covid-Virus control, and other related projects for the City of Phoenix Aviation Department.

## TREASURER'S REPORT NOV 2020

General Fund Balance:	\$ 8,518.05
Scholarship Fund:	\$ 548.00
Membership Total:	87

Don't forget to renew your membership for 2021.  
Mail \$25 checks to Phil Main at 17604 N Buntline Dr  
Sun City West, AZ 85375

## 2020 –2021 VEST MEETING DATES

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

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GCC, Allan was one of the President's Honors Scholarship winners. This fall he transferred to Arizona State University.

Allan's life experience that shaped him the most was dealing with autism and ADHD which made it hard for him in his early years to socialize and even focus. Despite this, however, he was able to perform extremely well in high school, including taking honor classes. While Allan is still working on himself to be more social and improve his focus, he does not want to let his disability be in the way of his success. With his positive attitude, the VEST Club wishes Allan nothing but success at Arizona State University and in his career.

## NOVEMBER 6 PROGRAM SUMMARY

### DREAM BIG: ENGINEERING OUR WORLD

A 42 minute video released on



February 13, 2018.

On November 6, VEST held a virtual Zoom meeting and Jim Schlenvogt shared this excellent video with attendees. Narrated by Academy Award® winner Jeff Bridges, DREAM BIG: Engineering Our World is a first film of its kind for IMAX® theaters. 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. All attendees found this video very interesting and an excellent tool to inspire younger engineers.