

VALLEY ENGINEERING, SCIENCE & TECHNOLOGY CLUB

October 2018 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)546-9112 to let us know you are coming.

OCTOBER 5 PROGRAM

Arizona's a Desert: You're 'Surprised' it's Hot and Dry

Nancy J. Selover, Ph.D. State Climatologist
Arizona State University Climate Office



Nancy Selover received her Ph.D. in Geography, specializing in meteorology and climatology from Arizona State University. She has been the State Climatologist for Arizona since 2007, and serves as co-chair of the Monitoring Technical Committee of the state Drought Task Force, and participates in the statewide Flood Warning Task Force and the state and county Hazard Mitigation Plan updates.

She is the state co-chair of the citizen-science precipitation monitoring network, CoCoRaHS (Community Collaborative Rain, Hail and Snow). The State Climate Office is located at Arizona State University and provides climate data and information to researchers, government and non-government agencies, and the public. Her research interests include the climate monitoring, urban heat island, evaporation, drought, monsoon and climate adaptation.

Abstract:

Arizona has a wide variety of climate regimes based on our physical location and topography. We will explore why we are so hot and so dry, or occasionally so wet, including what processes affect our weather, and how well, or poorly, they can be predicted. A look at the distant past and the recent past will explain why we have had to be so adaptable. What do the climate modelers project for our future, what are those models based on, and what are the implications for our future weather? Finally, a closer examination of Phoenix, where about 5/6 of our population resides, will demonstrate just how much we have affected our local climate and what we're planning to do about it.

NOVEMBER 2 PROGRAM

Meet Olli: The World's First Co-created Self-Driving Vehicle

Lucas Creasy, VP Engineering, Local Motors



Lucas Creasy leads engineering for Local Motors by LMI with over 15 years experience in designing, developing and manufacturing of products for both the commercial vehicle market as well as emerging vehicle and technology markets.

Prior to joining the Local Motors team, Lucas honed his abilities in large scale development project and program management by assembling and leading cross-functional program teams and managing high-performing engineering departments. Lucas has successfully and rapidly introduced new products and product updates to the market, including specialty and military products, at Knapheide Manufacturing Company. Lucas earned his Bachelor of Science degree in Manufacturing Engineering and Technology at Western Illinois University and his Master of Business Administration at Quincy University.

Lucas is currently responsible for Local Motors' engineering team, leading project and program management activities for all product lines across the globe, including the multi-million-dollar pilot program execution of Olli, the world's first co-created, self-driving vehicle.

Abstract:

This presentation will provide a high level overview of the Olli vehicle, capabilities, and application for autonomous first mile, last mile solutions in urban environments. Attendees will leave with a better understanding of Local Motors, the Olli vehicle, as well as insights to this vehicle being trialed around the world to change the landscape of mobility solutions.

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2018 OFFICERS

President	Tod Hamilton	623-910-2042
Vice President	Steve Sumner	623-544-7775
Secretary	Doris Palmer	623-815-8143
Treasurer	Carol Mungas	763-639-3922
Asst. Treas.	Don Block	623-546-0557

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	Ralph Palmer	623-815-8143
Member at Large	Les Sherry	623-975-9081
Newsletter	Dave Campbell	623-518-4871
Event Audio	Hal Lind	623-546-6385
Event Computer	Richard Sarut	480-300-7251
Website	Dave Campbell	623-518-4871
Publicity	Lance Berglund	623-734-3737
Field Trips	Open	
Hospitality	Doris Palmer	623-815-8143
Past President	Jackie Rice	623-572-8089

2018/2019 VEST LUNCHEON DATES

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

VEST NOTES

The Board is looking for members who are interested in serving this Club.

We currently have an opening for someone to serve as Committee Chairperson for Field Trips. This would involve planning and scheduling trip(s) or tour(s). See Tod Hamilton or Dave Campbell for additional information.

Elections of new officers is planned for our December meeting. If you are interested in serving as an officer or Chairperson please talk with Tod Hamilton.

PLEASE CONSIDER VOLUNTEERING!

TREASURER'S REPORT MAY 2018

General Fund Balance:	\$10,406.91
Scholarship Fund:	\$ 0
Membership Total:	147

June 50/50 \$93.00 - winner was Dan Sherry Thank You!

2018 Membership dues are now due—\$20.00

FUTURE MEETINGS

December 7

Title: Artificial Tree Turns Waste into Algae
Speaker: Klaus Lackner PHD, ASU

LUNCHEON MENUS

October 5: #1 Home Style Meatloaf or #2 Grilled Salmon
Both entrées come with salad, mashed potatoes, sautéed squash with onions, and apple cobbler with vanilla ice cream. **(Grilled Vegetable Plate or Fruit Plate also available)**

November 2: #1 Yankee Pot Roast or #2 Shrimp Scampi
Both entrées will come with Caesar salad, rice pilaf, steamed broccoli and cauliflower, and strawberry shortcake. **(Grilled Vegetable Plate or Fruit Plate also available)**

RESERVATION POLICY

The cost of the monthly luncheon beginning in Jan 2018 will increase to \$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.



The Search for First Light: New Telescopes that will Expand Hubble's Frontier

June 1 Speaker: Rogier Windhorst, PhD Professor of School of Earth and Space Exploration, ASU
For more information on our speakers, please visit our website at www.engineersaz.com