

ENGINEERS CLUB OF THE WEST VALLEY

DECEMBER 2011 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 had close ties to the engineering or scientific fields. Meetings are held at 11:30am on the first Friday of each month, October through June, at Briarwood Country Club, 135th and Meeker in Sun City West, Arizona.

Visitors are always welcome -- Reservations are required -- Just call (623)544-0942 to let us know you are coming.

DECEMBER 2 PROGRAM

Shifting to improved self diagnostic testing at home

Dr. Jeffrey T. LaBelle, ASU.



Dr. LaBelle is a biomedical engineer whose research interests include the development of medical devices such as biosensors for personalized medicine and clinical disease diagnosis. Health care technologies have improved dramatically in recent years, but, as we have seen, many technologies are not deliverable to patients at home, or in rural developing countries or do not take into account the patient requirements.

As more and more tests become higher tech, the cost of health care skyrockets drastically. However, a transformative shift can be made in delivering more technologies to the patient in the comfort of their own home. One example of this shift is the self monitoring of blood glucose. Dr. LaBelle will describe many of the technologies now being developed at his lab to answer this personalized need.

The objective is to provide faster, more comfortable, simple to use and easy to understand diagnostic tests. All of these projects are being used to teach undergraduate and graduate students the importance of innovation, as well as impact and serve as a reminder on how to keep the patient in mind while designing medical devices.

JANUARY 6 PROGRAM

The Brave New World of Bioengineering

Dr. Vincent Pizziconi, ASU



Dr. Vin Pizziconi has accrued over thirty years experience in biomedical engineering education, research, and public Service; all involving the innovation, design, development, and assessment of medical devices. He is the founder and director of the Harrington Bioengineering Design Center in the School of Biological and Health Systems Engineering at Arizona State University. Dr. Pizziconi also directs ASU's Bioengineering World Health effort to address the pressing challenge of focusing on the health care needs in lesser-resourced countries throughout the globe. In this manner, these countries can benefit from a diverse spectrum of bioengineered solutions.

The field of bioengineering has witnessed a rapid evolution of related emerging technologies. These technologies range from ordinary engineering of spare body parts to the apparent transformative future involving the engineering of complex biological systems. Dr. Pizziconi will describe some of these extraordinary developments that have brought us to the doorstep of a brave new world in healthcare and its delivery.

NOTES FROM...

President Don Block



Some Final Thoughts

I hope you all had a very Happy Thanksgiving and I want to wish you all a very Merry Christmas, Happy Hanukah, and a Happy New Year.

This is our last meeting of the year and my last meeting as your President. I have enjoyed this position and want to thank the members of the current Board of Directors, without whose efforts this Club would not have been able to function. Jodie Lawrosky, our Secretary has been able to keep me honest and ensure that all of the rest of us on the Board have followed through on action items they have undertaken. Jodie has also been handling our 50/50 lottery. Dave Whitehouse is responsible for reservations and for printing each month's newsletter. Bob Latvalla, our Club Treasurer, has made sure our financial records are accurate.

Daryl Lund and Bob Farrell have done a wonderful job of getting excellent meeting speakers. Bob Kessler, Membership Chairman has assembled our brochure and been the person that you see when you pay your dues. (**Don't forget to see Bob on your way out to take care of your 2012 membership.**) Bill Harrison does double duty and is responsible for this newsletter and ensuring that our speaker requirements at the meeting are met. He has been supported by Ralph Palmer. Fred Scheske has done a great job arranging tours and kudos to Ralph Palmer for arranging the tour to Palo Verde. Dave Campbell has done a good job in managing our web site. If you haven't checked it out lately, I suggest you do so. Our luncheon menu for all of 2012 is posted and you can find past newsletters along with information about upcoming speakers.

Mo Hoyt has gotten us good visibility in the local media which has resulted in keeping our membership numbers up. Just because Mo gets us press doesn't mean you shouldn't be inviting friends to come join us. Keith Morrow and Hal Clemett have both done a wonderful job of interfacing with Briarwood and negotiating a new contract for 2012 that will keep our lunch expense the same as last year. And last but not least is our Scholarship Committee consisting of Geraldine Montag, Don Johnson and Don Porter. Their efforts have enabled us to select well qualified students that we will all be proud to point to as we help them financially.

Most of these people have volunteered to remain in place for the upcoming year but it is important that others get involved. Ideally I would like to see you, as interested members, join the Board and volunteer to help in any area of interest. This will not only reduce the burden on everyone but if one of our members has a conflict or can no longer continue for some reason, you can step in and do the job with little or no additional effort required.

FEBRUARY 3

Nanotechnology

David K. Ferry, PhD

MARCH 2

Underwater Recovery

Dr. Dave Conlin

2011 OFFICERS

President	Don Block	546-0557
Vice President		
Secretary	Jodie Lawrosky	238-5256
Treasurer	Bob Latvalla	546-7801

COMMITTEE CHAIRPERSONS

Programs	Daryl Lund	271-7337
Membership	Bob Kessler	910-7054
Reservations	Dave Whitehouse	544-0942
Luncheons	Keith Morrow	546-3080
Scholarship	Don Porter	556-1754
Scholarship	Don Johnson	975-1657
Scholarship	Gerry Montag (Advisor)	546-7963
Member at Large	Les Sherry	975-9081
Newsletter	Bill Harrison	546-4943
Event Support	Ralph Palmer	815-8143
Web Site	David Campbell	518-4871
Publicity	Maurice Hoyt	533-4213
Field Trips	Fred Scheske	556-2892
Past President	Hal Clemett	546-4941

BOARD EMAIL ADDRESS: board@engineersaz.com



TREASURER'S REPORT 10-31-2011

General Fund Balance:	\$6,724.51
Scholarship Fund Balance:	\$2,832.61

LUNCHEON MENUS

December 2: Yankee Pot Roast with Natural Gravy, Broiled Red Potatoes, Chef's Vegetable and Peppermint Ice Cream. (Entrée Option: Fruit Plate)

January 6: American Beef Stew with Tender Braised Beef, Chef's Vegetables, Corn Bread and Apple Turn-over with Vanilla Ice Cream. (Entrée Option: Fruit Plate)

RESERVATION POLICY

The cost of the monthly luncheon is \$17.00 per person. The reservation deadline is 6PM Monday before the meeting. Late reservations cannot be guaranteed the regular meal. Call Dave Whitehouse if you cannot keep your reservation. **The full luncheon cost is due for "no-shows" and cancellations after 6PM on the Wednesday before the meeting.**

RESERVATIONS Dave Whitehouse (623)544-0942

RAFFLE RESULTS AND DONATIONS

The winner of the raffle at the November meeting was **Dan St John** who received \$82 and an additional \$82 was added to the Scholarship Fund.

WELCOME NEW MEMBERS

Ben Bolton and George Zimmerman

Club Membership is 147

MEMBERSHIP DUES

Dues of \$20 for 2012 are now being accepted at the membership table before meetings or by mail to the Membership Chairman

**Bob Kessler
18005 N 129th Drive
Sun City West AZ 85375**

February 3 is the deadline to be included in the new Membership Directory.



Dr. Jan Snyder, Professor at ASU, receives a certificate of appreciation from Don Block for his presentation on forms of sustainable aid being provided to the people in Malawi.