

Science and Engineering Council of Santa Barbara: June Luncheon

Elephant Bar Restaurant, Thursday June 11, 2009, 12:00-1:30

----- This Month's Topic -----

"Building Robots - 2009: How the Dos Pueblos Engineering Academy Does It"

The Dos Pueblos Engineering Academy (DPEA) provides students who are interested in pursuing science or engineering the opportunity to participate in a rigorous, hands-on science and engineering curriculum. Each year, for their capstone project, DPEA students enter an international robotics competition. This year, the team won the Sacramento regional robotics competition with a perfect record of 15-0. This qualified the team for the FIRST Robotics Championships in Atlanta, where they came in second place in their division and won an engineering design award for the robot with the best concept and fabrication in the world.

During this presentation, Academy Director, Amir Abo-Shaer, and several DPEA students will discuss the engineering academy, the robot design-build process, and their plans for building a 12,000 square foot facility at Dos Pueblos High School. They will also demonstrate this year's robot and discuss its winning features.

----- Presenters -----

Amir Abo-Shaer, Dos Pueblos Engineering Academy Director, and the Robotics Team!



Amir Abo-Shaer is the Director and lead instructor of the Dos Pueblos Engineering Academy. He has worked at Dos Pueblos High School for the past eight years, where he has been instrumental in the development and implementation of this innovative program. The Goleta Valley Chamber of Commerce recently named him "2008 Goleta's Finest Educator of the Year (7-12)."

Before becoming a teacher, Amir was a mechanical engineer who worked in research and development in academia, the aerospace industry, and the telecommunications industry. He is also a lifelong Goleta resident and an alumnus of Dos Pueblos High School. Amir earned a B.S. in Physics, a M.Ed. in Secondary Education, and an M.S. in Mechanical Engineering from University of California, Santa Barbara.

----- Other Information -----

\$14 SEC members, \$20 non-members.

Information: Barbara Keaney (E-mail scieng@silcom.com) or call (805) 684-4927.

Reservations not required. **Visit our web page at <http://www.scieng.org>**

Elephant Bar Restaurant: 521 Firestone Road, off Hollister

-- near airport administration, in Goleta.



Tim Murphy and Gary Kravetz

Please Note: luncheon seating is limited and available on a first-come basis.