

Science and Engineering Council of Santa Barbara: June Luncheon

Elephant Bar Restaurant, Thursday, June 10, 2010 - 12:00-1:30

- This Month's Topic -

Building Robots - 2010: 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 Los Angeles regional robotics competition. This qualified the team for the FIRST Robotics Championships in Atlanta, where they made it to the quarterfinals in their division. For the second year in a row, they won the Motorola Quality Award in Atlanta, which is presented to the team whose robot had 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 soccer-playing 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 DPEA. He has worked at Dos Pueblos High School for the past nine years, where he has been instrumental in the development and implementation of this innovative program. The Goleta Valley Chamber of Commerce 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.



50 years!

- Other Information -

\$15/SEC members, \$20/non-members. Info: Barbara Keaney (E-mail scieng@silcom.com) or call (805) 684-4927. Reservations not required.

Elephant Bar Restaurant: 521 Firestone Road, off Hollister near airport admin. in Goleta.

Visit our web page at <http://www.scieng.org>.

From the Co-Presidents: We are pleased to have Amir Abo-Shaer and the Dos Pueblos Engineering Academy Robotics Team demonstrating their winning robotic. We look forward to seeing you at the June meeting for their presentation.

In May, the Scholarship Foundation of Santa Barbara announced that the **SEC Scholarships** for the 2010-2011 academic year were awarded to **Daniel Huthsing** and **Anthony Turk**. Both are 2009 graduates of Dos Pueblos High School who have completed their freshman year at UC Santa Barbara and major in Mechanical Engineering.

Also, the junior "Best of Fair" winner, **Madeline Matthys** of Goleta Valley Junior High School, who spoke at our May meeting, went on to win 3rd place in her division at the state Science Fair. In addition, **Varsha Manjunath** of Goleta Valley Junior High placed 2nd and **Michael Feldman** of San Marcos High School placed 4th in their respective divisions.

Tim Murphy and Gary Kravetz

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

This meeting is partially sponsored by [The Santa Barbara News-Press](#)