

# *Science and Engineering Council of Santa Barbara: September Luncheon*

**Elephant Bar Restaurant, Thursday September 10, 2009, 12:00-1:30**

## **----- THIS MONTH'S TOPIC -----**

### **The “Universal Directory” – Concepts, Benefits and Technology**

We are in an era of rapidly evolving communication technologies including Voice over IP, cellular networks, social media, and open communication standards. But how will each technology work together to ultimately improve the way we communicate with each other?

All of these technologies are converging to a point in which there will be no telephone numbers, email addresses, or screen names; just you. Facilitated by a “Universal Directory”, instant communication with those in your mutual network through voice, video, and messaging, will be a simple “button-press” away. But, there is a wide-spectrum of roadblocks in the way, ranging from technical to political.

This presentation forecasts the concept and benefits of the Universal Directory and unravels the technologies of today and complications of tomorrow that must be overcome before such a technology can be made available.

## **----- PRESENTER -----**

### **Matt Vlasach, CEO, Pacific Swell Networks, Inc.**



Matt Vlasach is CEO of startup company Pacific Swell Networks Inc., a telecommunications consulting and integration firm for businesses. He possesses an architectural and in-depth understanding of IP communications, including LAN and WAN networking, routing protocols, voice over IP technologies, and QoS-enabled architectures. Matt has extensive experience with Session Initiation Protocol (SIP), arguably the global-standard protocol for the interconnection of Voice over IP systems. He has extensive experience with IP telephony products including Asterisk, ShoreTel, Cisco, and Polycom and has deployed dozens of custom solutions for Pacific Swell's customers.

Matt has written several articles in Network Computing Magazine about Voice over IP in the business environment. He has a Computer Engineering B.S. Degree with Honors earned from the University of California, Santa Barbara in 2006.

## **----- OTHER INFORMATION -----**

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

Information: Barbara Keaney (E-mail [scieng@silcom.com](mailto: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.



**From the Co-Presidents:** This month we are pleased to welcome Ruth Franklin to Individual membership. Our speaker for October will be John Bowers of UCSB's Institute of Energy Efficiency. We look forward to seeing you at these meetings. The note below is from one of the two SEC 2009 Scholarship awardees – last month we printed Tiffany P. Thaphasouk's note. **Tim Murphy and Gary Kravetz.**

**A 2009 SEC Scholarship Awardee writes:** “I would like to thank you for the grant you have awarded me for my studies. I appreciate the confidence you have shown me by investing in my education. I have just finished my second year at UC Santa Cruz where I concentrated on completing most of the foundation courses of a science major. Although challenging, I really enjoyed Chemistry and credit the excellent teaching staff for providing me with a solid understanding of its principles. Currently my interests are focused on the study of biological anthropology and I look forward to the coming year during which I be able to take more upper-division courses relevant to my major. I hope some day to use my knowledge to pursue a career in forensic anthropology. Like many other students, my family is feeling the effects of the current economic climate. With the rising cost of tuition and cost of living increases, the challenge to attain a college degree is greater than ever. This scholarship award is essential in helping me achieve my educational goals. I am aware that there are many other deserving students, and I feel grateful and honored to have been chosen to accept this award.

Thank you sincerely for your generosity and support, Natasia Duhau”

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