

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

**Elephant Bar Restaurant, Thursday August 13, 2009, 12:00-1:30**

### ***----- This Month's Topic -----***

#### **"Let's Talk Small -- Fun and Games with the World's Smallest Heat Source"**

Craig Prater (CTO, Anasys Instruments) will talk about nanothermal analysis, or what happens when you poke something with a hot, sharp (nanoscale) stick. Anasys Instruments makes instruments for the characterization of materials at the micro and nanoscale, with applications that include materials research, printing, auto parts, defense, food packaging, laptop screens, pharmaceuticals, and even the fine arts. Craig will review the underlying technology and applications of nanothermal analysis with the world's smallest heat source.

### ***----- Presenter -----***



**Craig Prater, Chief Technology Officer, Anasys Instruments**

Craig Prater has a PhD in Physics from UC Santa Barbara. He worked at Digital Instruments/Veeco Instruments for 15 years in a variety of technical and leadership roles in the field of atomic force microscopy. Craig joined Anasys Instruments as CTO in December, 2007.

### ***----- Other Information -----***

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

**Information:** Barbara Keane (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 LaunchPoint Technologies, Inc. of Goleta to Corporate membership and Earl Morley of Santa Barbara to Individual membership. Continuing with our great summer line up of meeting topics, this month we are pleased to have Craig Prater speaking about nanothermal analysis. Next month we will hear Matt Vlasich speaking on universal communications and net neutrality. We look forward to seeing you at our August and September meetings.

The note below is from one of the two SEC 2009 Scholarship Awardees – we will print our other awardee's (Natasia Duhau) note next month. **Tim Murphy and Gary Kravetz**

**A 2009 SEC Scholarship Awardee writes:** "I would like to thank your organization for granting me a scholarship. Receiving the scholarship fully stimulates me to utilize and invest in my future education. I am truly honored by this recognition and will commit to meet the requirements towards my college endeavors with the aid of this grant money. Since I will be embarking my second consecutive year at UCSB, I greatly appreciate your generous support for my ambitions of pursuing a Bachelor of Science in Biochemistry. This scholarship will provide me a foundation to expand in my academics. Not only will I be able to finish my major prerequisites at the end of my sophomore year but I would also like to be a part of undergraduate research at UCSB. No words can describe this generous contribution and its potential influence towards my academic career." Thank you, Tiffany P. Thaphasouk

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