

Science and Engineering Council of Santa Barbara: January Luncheon

(The SEC accepts cash or check at the door. We're not equipped to process credit cards)

Elephant Bar Restaurant, Thursday, January 12, 2012 - 12:00-1:30

- This Month's Topic -

More Than Moore: Harnessing the Power of Silicon Microelectronics Beyond Digital

More-than-Moore (or MtM) is the other facet of microelectronic products that complements the digital part of integrated circuits. Our increasingly mobile world is driving the need to migrate non-digital components from the system board-level into the IC package and even onto the chip. This talk will discuss the revolution in silicon chip packaging currently underway and the interesting technologies coming to the integrated circuit world.

Aurrion Inc. is a local start-up working to commercialize technology pioneered at UCSB and Intel for integrating photonics into the world of silicon microelectronics. Aurrion was recently awarded a \$13.9 million DARPA multi-year R&D contract for electronic-photonics integration.

- Presenter -



Dr. Greg Fish, VP of Research and Development at Aurrion Inc.

Prior to joining Aurrion, Greg was a co-founder and key leader at Agility Communications, which was formed to commercialize tunable lasers based on photonic integration in indium phosphide (InP) for telecommunications applications. Greg is a leading expert in the field of photonic integration with over 15 years of experience in the field of III-V semiconductor-based Photonic Integrated Circuits (PICs). He began his work in this area while obtaining a BS in Electrical Engineering from the University of Wisconsin at Madison and later a MS and PhD in Electrical Engineering from UCSB. He is an author/coauthor on over 50 papers in the field and has 10 patents.

- Other Information -



50 years!

\$15/SEC members, \$20/non-members. Cash or check only. Reservations not required.

Info: Barbara Keaney (E-mail scieng@silcom.com or call 566-0598)

Elephant Bar Restaurant: 521 Firestone Road, off Hollister Ave. – left on Lopez Rd., Goleta

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

From the Presidents: Happy New Year! Thank you to all who have renewed their membership for 2012 and made contributions to SEC's Scholarship Fund. If you have not as yet renewed your membership, please take a moment now and do so. We look forward to seeing you in January for this interesting presentation and in February to hear **Dr. John Bowers, Director of the Institute for Energy Efficiency–UCSB, speak on Solar Power Reading for the Developing World.** *Tim Murphy and Gary Kravetz*

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

This meeting is partially sponsored by **Community West Bank**