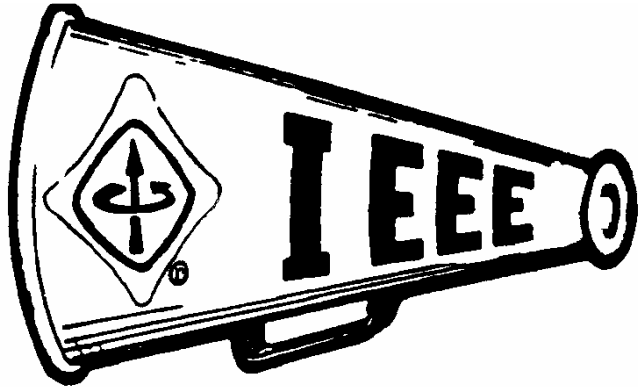


The Valley Megaphone



Newsletter of the
**Institute of Electrical and
Electronics Engineers, Inc.**
Phoenix Section
June 2006, Volume XX, Number 6

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This Issue of The Valley Megaphone Features:

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IEEE Phoenix Section Executive Committee meeting minutes can be found at: <http://www.ieee.org/phoenix>

Please send announcements for Valley Megaphone to Eric Palmer: ecpalmer@ieee.org.

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The Valley Megaphone is the newsletter of the Phoenix Section of the Institute of Electrical and Electronics Engineers. It is published monthly and reaches about 4000 members. Submit articles, advertisements, and announcements to Eric Palmer at the above email address. Deadline for announcements and advertisements is the third Friday of the month prior to publication. Advertising Rates: Full page: \$200, 3/4page: \$125, 1/2 page: \$75, 1/3 page: \$50, 1/4 page: \$25. Change of address/email? Call toll free 1-800-678-IEEE. Please allow 6-8 weeks. Section Web Page is: <http://www.ieee.org/phoenix>

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Phoenix Section Executive Committee Meeting – First Tuesday of the month.

Time: 6:00 pm to 8:30 pm

Place: Phoenix Airport Hilton, 2435 South 47th Street
 Phoenix, AZ, 85034
 Phone: 480-804-6017

Directions: From 143, exit University Ave, go west, turn right on 47th street.

More Info: Meetings held first Tuesday of month. No meetings in July and August. All interested IEEE members are welcome to attend.

Contact: Rao Thallam, Phoenix Section Chairman, ph: (602) 236-5481 or e-mail: thallam@ieee.org



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.



IEEE Components, Packaging and Manufacturing Technology Society
Phoenix Chapter
Wednesday, July 19th, 2006 Meeting

Optoelectronics is Again Vibrant and Penetrating Many New Markets...

Dr. Michael Lebby
President and Chief Executive Officer (CEO)
Optoelectronics Industry Development Association (OIDA)
Washington, DC, USA

Abstract

The OIDA perspective on the global optoelectronics markets and technology vectors will be reviewed in this presentation. In particular, the talk will give the OIDA view on the global HBLED, laser diode, communications, solar cell, image sensor and display industries with major technological trends. The talk will include technology roadmaps, applications and future opportunities. In particular the talk will give an update on the results from OIDA's 2006 roadmap forums on artificial vision, high power lasers and nitride based materials. In addition, the talk will discuss the upcoming roadmap forums on 100Gbps data-rates, silicon photonics and optoelectronic packaging & miniaturization for that will be held later in 2006.

Biography

Dr. Michael Lebby received his D. Eng., Ph.D., MBA and B. Eng. (Hons.) from the University of Bradford, England in 2004, 1987, 1985 and 1984, respectively. More recently, Dr. Lebby received an honorary Doctorate (D. Eng) by the University of Bradford in 2004 for his contributions to the field of optics, optoelectronics, and fiber optic packaging. Since 1977, he has been employed by the British Government, AT&T Bell Laboratories, Motorola, and AMP (now Tyco) in senior technical and business optoelectronic and fiber optic roles. In 1999, Dr. Lebby joined Intel as a venture capitalist and was instrumental in a number of private equity deals in optoelectronic components and networking. In 2001 he founded a new fiber optics company, Ignis Optics, where he served as CEO and Board member. He successfully raised two rounds of financing (with step-ups) that exceeded \$30M during 2001 (also in risk adverse environment) and the company was subsequently acquired by Bookham Technology in October 2003, where he was responsible for corporate and technical strategy. Dr. Lebby is now the president and CEO of OIDA (Optoelectronics Industry Development Association) based in Washington DC. He is growing OIDA into a stronger marketing, technology, and governmental body for its membership. OIDA is known for its technology roadmaps, workshops, industry networking, and government policy. Dr. Lebby frequently provides tutorial lectures, speeches, and courses to senior executives on the dynamics, both economically and technologically, on the optical networking environment. He also advises at the Board level at a number of optical component start-ups in both Europe and the United States. A Fellow of IEEE, Dr. Lebby also holds more than 170 issued US patents and has published and presented regularly in the optoelectronics field. Including international issued (over 57) and pending patents (over 39), the number totals well over 250.

Date: Wednesday, July 19th, 2006
Location: Group Conference Room, Freescale Semiconductor, Inc., 2100 E Elliot Rd. Tempe, Arizona
Enter the facility through the Main (South) lobby, by the flag poles; you will be escorted to the meeting venue.
Time: 5:30-6:00 Social/Refreshments, 6:00-7:00 Presentation, 7:00 Dinner
(Pizza and Soda are being provided by the IEEE CPMT Phoenix Chapter)

IEEE members and non-members all are welcome to attend. Those who plan to attend should be at the facility entrance no later than 6:00 pm, as there will be no escorts available after that.

For more information please call any of the following officers:

Vivek Gupta (480) 554-2195
Vasu Atluri (480) 554-0360

Debendra Mallik (480) 554-5328
Mali Mahalingam (480) 413-5368

Daniel Lu (480) 552-2909
Victor Prokofiev (480) 552-0228

IEEE **GOLD** Phoenix Chapter

www.ieee.org/gold-phoenix

Topic Summary:

Consider a world no longer restricted by lines and cords. The future of telecommunications and networking is total wireless access solutions.

It is one seamless, total communications experience. "Anytime, Anywhere Broadband" Ryan McCaigue, Director of Network Engineering for the Tempe WiFi Network, will discuss Metro Scale WiFi Networks from an engineering and municipal planning perspective.

Speaker: Ryan McCaigue, Director of Network Operations

Prior to joining NeoReach, McCaigue held the position of Dean, Network and Communication Management and Business for DeVry University's Phoenix campus, where he implemented the new degree program in Network and Communications Management and established the "knowledge management task force" creating a searchable resource repository and consolidating course design efforts across 23 campuses nationwide. His collaboration with industry leaders including Microsoft, Intel and Cox Communications determined future technology needs, ensuring parallel between curriculum and corporate objectives.

About NeoReach:

NeoReach is a wholly-owned subsidiary of MobilePro delivering wireless broadband and voice services to our end-user customers. We are focused on growing our current customer bases, developing and deploying wireless technologies, acquiring and growing profitable telecommunications and broadband companies and forging strategic alliances with well positioned companies with complementary product lines and in complementary industries.

We are also an innovator and developer of wireless broadband networks and services. Our wireless broadband networks and services will be provided in our Wireless Access Zones (WAZ) to be primarily located in municipality sponsored areas. These network systems are scalable and flexible and will be readily modified to offer a variety of broadband services.

Date: Thursday June 8th, 6:30pm

Location: ASU Memorial Union (Room TBA)

For updated info see website www.ieee.org/gold-phoenix

Or e-mail pcioe@ieee.org or Christy.Pack@gdc4s.com



IEEE Phoenix Area Consultants Network June Meeting - Outsourcing

Date: Thursday, June 8, 2006
Time: Networking begins at 6:30 p.m.
Dinner begins at 7:00 p.m.
Program starts at 8:00 p.m.
Place: Denny's Restaurant
3315 N. Scottsdale Rd.
Scottsdale, Arizona 85251

Abstract: Our June meeting will feature Thomas N. Duening, PhD, director of the Entrepreneurial Programs Office of ASU's Fulton School of Engineering. He will address the issue of how outsourcing is affecting technology jobs, and how we can win in the global economy. Duening is the author (with Rick L. Click) of "Essentials of Business Process Outsourcing" (2005) and "Business Process Outsourcing: The Competitive Advantage" (2004.)

For more information, contact Vaughn Treude, vaughn@nakota-software.com, or see the IEEE PACN website, www.ieeepacn.com.



**Institute of Electrical and Electronics Engineers, Inc.
Phoenix Section
Components, Packaging and Manufacturing Technology Society Chapter
&
Waves and Devices Chapter**

PRESENT AN ALL-DAY WORKSHOP ON

Convergence in Communication and Computing

| | |
|---|------------------------------------|
| Date: Friday, November 17 th , 2006 | Time: 7:00 A.M. – 5:00 P.M. |
| Location: Arizona State University, Tempe, Arizona – ASU Memorial Union (Arizona Room) | |

Abstract

The convergence of mobility, seamless connectivity, and broadband access are the underpinning of next-generation communication systems. Several new applications such as video-conferencing and wireless multimedia are emerging to leverage this capability. Many communication platforms (3G Cellular, WiMax, WLAN, etc.) compete to provide the best solutions for consumer needs in communication, computing and entertainment products. Technology challenges - component through system level - abound for realizing such opportunities at a marketable price point. This one day workshop will bring together experts from industry, academia, government labs, and the financial community to share market visions and to discuss technology issues, options, opportunities and emerging standards. The goal is to provide a comprehensive view of the challenges facing system, device, interconnect and packaging technologies. A panel discussion on the “Future of Convergence in Communications” will bring closure to the day’s workshop. Vendors in the entire supply chain will display their products and services throughout the day.

Topics

- Vision – A View of the Future of Convergence
- Market – Current Status and Future Trends
- Business Model
- System and Architecture
- Communication Technology Options and Standards
- Device Technology – RF, Microwave, Analog, and Base Band / Graphic Processing
- Packaging – Mobile Products and Infrastructure
- Antenna / Propagation
- System Integration
- Panel discussion on the Future of Convergence in Communications



Chair: Vasu Atluri (480) 554-0360 **Co-Chair:** Chuck Weitzel (480) 413-5906

Technical Committee

| | | | |
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| Shahin Farahani (480) 413-6010 | Rashaunda Henderson (480) 413-5374 | Mel Miller (480) 413-6111 | Dragan Zupac (480) 413-3964 |

| | | |
|---|--|--|
| For General Information: http://www.ieee.org/phoenix | For Workshop Registration Forms: (480) 413-3737 | For Vendor Registration Forms: (480) 554-2195 |
|---|--|--|