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**LYNX**

June 2009

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IEEE/OC Website:  
[www.ieee.org/ocs](http://www.ieee.org/ocs)

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## The Chair's Corner:

by **Sampath**

### Greetings!

Seems to be the time for June gloom.

With occasional rays of sunshine. One such ray is the newly constituted Special Interest Group (SIG) of IEEE Orange County. The new IEEE-OC ARRA Consortium comprises a group of local IEEE members who are working together in accessing funds from the American Recovery and Reinvestment Act of 2009. Innovation and partnerships are the prime focus areas. Contact Mr. Don V Black at [dblack@ieee.org](mailto:dblack@ieee.org)

Our upcoming signature event is the Fall Awards & IEEE 125th Anniversary Celebration. If you have fun ideas, sponsorships, or a yacht that can hold 80 people, please drop Mr. Rich Gallaher a line [Richard.M.Gallaher@boeing.com](mailto:Richard.M.Gallaher@boeing.com)

On the Career Development & Jobs front, if you are interested in our new Engineers-in-Transition group, please let us know.

### Our other outreach initiatives in progress:

- Awards event jointly with the Southern California Venture Network
- Grant efforts with OC Dept of Education
- Robotics/Medical Device event in partnership with UC Irvine Medical Center.

Drop us a line to get plugged in.

Warm regards,  
Sampath, Chair, IEEE Orange County Section  
[rsampath.at.ieee.org](mailto:rsampath.at.ieee.org)  
[www.ieee.org/ocs](http://www.ieee.org/ocs)

## IEEE Electron Devices Society and the IEEE Reliability Society to Sponsor Reliability Physics Conference

The IEEE EDS and Reliability societies are will co-sponsor the conference entitled "2012 IEEE International Reliability Physics Symposium (IRPS)". This conference will be held April 15-19, 2012 in Garden Grove, California, USA.

### For further information, please contact,

David Barber  
PO Box 2097  
Banner Elk NC 28604  
USA

Ph: +1 828 898 7001  
Fax: +1 828 898 6379  
dbarbsta@aol.com

or Conference Services Dept.,  
at IEEE Operations Center at  
+1 732 562 3878.

## About the IEEE

The Institute of Electrical & Electronics Engineers [IEEE] is the leading organization for the advancement of technology. The IEEE is a 501(c)(3) non-profit, technical professional association of more than 300,000 individual members in 175 countries. The IEEE Orange County Section serves over 3,700 members in Orange County in addition to the local community.

## Calendar of Events

- June 9: 6:00 PM.** IEEE-OC Section: ExCom Mtg  
Location: UC-Irvine, Irvine, Contact: rsamphath@ieee.org
- June 17: 6:00 PM.** IEEE-OC Section: IEEE-OC New Volunteer Dinner  
Join us for Complimentary dinner, and learn of IEEE OC volunteer opportunities.  
Please RSVP with your name and cell-number to: occs-rsvp@ieee.org  
Contact: Don V Black, IEEE-OC Volunteers Chair 1-949-548-1969  
dblack(at)ieee(dot)org www.ieee.org/occs  
Location: Doubletree Club, 7 Hutton Centre Dr., Santa Ana, California 92707
- June 23-28:** IEEE Board of Directors Meeting Series, Los Angeles, CA  
Details: <http://www.ieee.org/web/services/mps/series0609/index.html>
- June 26: 9:00 AM - 8:00 PM.** Alternative Energy Trends at the India Trade Conference (A Non-IEEE Community Event)  
Location: Southern California Edison CTAC Center, Irwindale, CA  
Details: <http://www.buyusa.gov/inlandempire/indiatraderade2009.html>  
Contact: rsamphath@ieee.org
- June 28-29:** The 3rd Indo-US Workshop on Fabronics (A non-IEEE community event)  
This event will be held at the California Institute for Information Technology and Telecommunications (CallT2) in the University of California, Irvine. The workshop will bring together Indian and American researchers and is intended to showcase jointly achieved research results and to explore new research and funding opportunities. Fabronics covers advanced and futuristic manufacturing techniques.  
General inquiries contact: Rodrigo Martinez-Duarte drmartnz@gmail.com  
Details: <http://www.fabronics09.org/>
- July 25: 6:00 PM.** IEEE-OC CS Chapter: Games in Education at the Discovery Science Center (two days early, 4th Saturday)  
Location: Discovery Science Center  
Contact: hemantca@ieee.org, Details: <http://occs.ieee.org/>
- IEEE-OC Section: OC Technology Career & Job Fair  
[Postponed to Fall 2009]  
Contact: j.b.gibson@ieee.org, Details: [www.ieee.org/occs](http://www.ieee.org/occs)

## Advertising Section in the Newsletter

Our Newsletter now includes an advertising section. For details on how to place your ad please send us e-mail at:  
[info.at.nanomems-research.com](mailto:info.at.nanomems-research.com)

Hector J. De Los Santos  
IEEE Orange County Section Newsletter Editor

## To IEEE Orange County Chapters: Newsletter Inputs

As we begin a new year of activities, it is fitting to remind OC Chapters of the protocol to get their news items published in the Newsletter. Simply, e-mail your news item to info.at.nanomems-research.com no later than the 15th of the month, prior to the month whose Newsletter you are targeting. For example, if you want the February'09 Newsletter to contain your news item, please, submit it no later than January 15th, 2009. In your e-mail, please, enclose your news item between two lines of "+" characters, i.e.:

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Thank you,  
Hector J. De Los Santos  
IEEE Orange County Section  
Newsletter Editor

## Stay Young. Volunteer.<sup>1</sup>

**Wed June 17 6:00PM at the DoubleTree Club**

Join us for a free dinner, and learn of IEEE OC volunteer opportunities. We will be recruiting new officers for all chapters and for the OC Section 2010 executive committee. You can contribute at the committee level, the managerial level, or at the engineering level – whatever pleases you. You can begin as soon as now.

Come meet other committed IEEE members and enjoy the company of your engineering peers. Polish your management, teamwork, and organizational skills. Join the folks who will appreciate you.

Contact me for further information.

See you there,

Don V Black, IEEE-OC Volunteers Chair  
1-949-548-1969  
dblack (at) ieee.org

[1] Keeping the brain active by working later in life may be an effective way to ward off Alzheimer's disease, research suggests. Keeping mentally active is the key. (BBC News May 17,2009 from International Journal of Geriatric Psychiatry)

## Bring IEEE GLOBECOM to Orange County!

Here is a topic to consider:

Southern California Communications Society have formed an initial team to bring IEEE Globecom to Orange County.

The IEEE Global Communications Conference and ICC are the Communications Society's flagship conferences, with a full program of technical and professional activities spanning the entire range of hot topics in voice, data, image and multimedia communications.

True to its acronym, GLOBECOM has been located in many regions of the world, including Singapore, England, Brazil and several sites in the US and ComSig Excom is forming a team to bring Globecom to Southern California in 2012. It takes place annually, typically in November.

Material is presented in a program of technical sessions, tutorials, panel discussions, keynote speakers and workshops.

Currently, we are looking for volunteers and sponsors. We also need to fill the top positions: General Chair and Vice-General Chair which are to be filled by a sponsor.

There are many regions and countries competing for hosting the Conference. It is critical that we find sponsors and help us win the competition and bring Globecom to Southern California in 2012.

-Naveen

## Awards & Grants

2009 Collegiate Inventors Competition is Now Accepting Applications – The deadline to enter the Collegiate Inventors Competition is less than a month away! This prestigious program shines a spotlight on deserving researchers and innovators early in their careers in an effort to provide support and inspiration to those who have tremendous potential to make the world healthier, the economy stronger, and the planet safer. Go to [www.invent.org/collegiate](http://www.invent.org/collegiate) for more information and to download the application.

### **IEEE-USA Stimulus Webpage -The American Recovery and Reinvestment Act (ARRA)**

**(Public Law 111-8)** appropriates significant federal funding for technology-related programs in areas identified by IEEE-USA as being of high priority for strengthening the nation's innovation infrastructure and ensuring its long-term economic competitiveness. To stimulate the economy, funds are being distributed as quickly as possible, using existing federal programs as funding outlets where possible. This webpage provides information and links on these funding opportunities as a resource for IEEE members and their companies. Additional information is available on-line at Recovery.Gov. Members should also look to funds distributed through their respective state governments.

## Capitol Hill

The Future of Clean Energy Technology - The House Energy and Commerce Committee passed the American Clean Energy & Security Act of 2009 (ACES, 648 pp.), a comprehensive approach to U.S. energy policy aimed at creating a clean energy economy. The bill reduces carbon emissions from American cars, power plants and factories by 83 percent over the next 40 years, and increases funding and infrastructure for clean energy innovation and its rapid commercialization.

U.S. House Gives Vote of Confidence to Entrepreneurs - The full House of Representatives passed H.R. 2352, the Job Creation through Entrepreneurship Act of 2009, a bill to provide small businesses and entrepreneurs with new and expanded assistance. H.R. 2352 promises to assist small business owners or aspiring entrepreneurs to get access to finance, training and education. Supporters in Congress claim that for every dollar we spend on a successful entrepreneurship program, we see a \$2.87 return to the Treasury. Last year alone, these development programs created an estimated 73,000 jobs. (On a related note: IEEE-USA Establishes New Award for Leadership in Entrepreneurial Spirit)

### **Federal Agency Activity**

Energy Intensive Sectors, IT Industry to Receive Recovery Act Funds - U.S. Department of Energy Secretary Steven Chu announced plans to provide \$256 million from the American Recovery and Reinvestment Act to support energy efficiency improvements in major industrial sectors across the American economy. The funding is targeted at reducing the energy consumption of America's manufacturing and information technology (IT) industries, while creating jobs and stimulating economic growth. These programs will help create manufacturing jobs, as well as jobs for technicians and experts who will be needed in the long-term to maintain and operate the new equipment.

### **State Highway Improvement Projects Would Use Hi-Tech**

According to NCSL, states plan to use their federal stimulus money to pay for highway improvement projects that involve widening roads, fixing bridges or repaving highways. This is not news. However, nearly half the states plan to use some of their new funds to pay for high-tech gadgets that will reduce congestion, help the environment and create jobs quickly. At least 22 states have told the federal government they want to make their roads "smarter" by installing traffic cameras, creating express toll lanes, improving traffic signals and alerting drivers about accidents or delays ahead. Such projects are "quick, they can move forward very fast, they create jobs and they're effective in the short and long term," said Jaime Rall, an NCSL analyst. States are under the gun to tell the federal government how they plan to use \$26.7 billion in federal stimulus money for transportation. They have until June 29 to commit half of that money to specific projects, so states are focusing on projects that can get started quickly.

# 2009 IEEE Orange County Section — Executive Committee

## Section Officers:

### Chair

Sampath  
(323) 908-4306  
rsampath.at.ieee.org

### Vice-Chair

Richard M. Gallaher  
(714) 261-1419  
richard.m.gallaher.at.boeing.com

### Treasurer

Russell Hunter  
(714) 697-5540  
RussellH.at.Computer.org

### Secretary

Alvin Joseph  
(714) 552-2489  
alvin.at.ieee.org

### Past Chair

John Gibson  
(949) 929-8922  
j.b.gibson.at.ieee.org

## IEEE-OC Technical Society Chapters:

### Communications / Signal Processing Joint Society (COMSIG)

Pierre Perra  
pierre.at.computer.org

### Computer Society (OCCS)

Hemant Sharma  
(949) 466-8090  
hemantca.at.ieee.org

### Consultants' Network(OCCN)

Ralph Hileman  
(951) 780 3947  
r.hileman.at.ieee.org

### Engineering in Medicine and Biology Society (EMBS)

Dr. Bill Tang  
(949) 824-9892  
wctang.at.uci.edu

### Electromagnetic Compatibility Society (EMC)

Jeff Klinger  
(714) 579-0500  
jeff.at.celectronics.com

### GameSIG

Don V Black  
(949) 548-1969  
dblack.at.ieee.org

### Microwave Theory Techniques / Electron Devices Joint Society(MTT/ED)

Dr. Héctor J. De Los Santos  
(310) 259-0767  
hector.delossantos.at.ieee.org

### Power Engineering / Industry Applications Society (PES/IAS)

Gary Stephens  
(714) 567-2400  
gary.stephens.at.dmjmh.aecom.com

### Product Safety Engineering Society (PSES)

Thomas Ha  
(714) 628-1020  
tom.at.gmcompliance.com

### Robotics & Automation Society (RAS)

Prof. Robert Castaño  
(714) 432-5745  
r.castano.at.ieee.org

## Student Chapter Chairs:

### CSUF Student Chapter

Peter Kral  
(714) 278-7136  
ieee.at.fullerton.edu

### CSUF Student Sponsor

Dr. David Cheng  
(714) 278-3734  
dcheng.at.exchange.fullerton.edu

### EMBS Student Chapter

Robin Gorkin  
rgorkin.at.uci.edu

### UCI Student Chapter

Sean Tucker  
shtucker.at.@uci.edu

## Committee Chairs:

### Awards/Recognition

John Gibson  
(949) 929-8922  
j.b.gibson.at.ieee.org

### AutoTestCon Liaison

Phil Wheeler  
(949) 766-4820  
plwheeler.at.ieee.org

### Community Partnerships

Dr. Goran Matijasevic  
(949) 824-9830  
goran.at.uci.edu

### Conference Chair

Farhad Mafie  
949-851-1714  
mafie.at.savantcompany.com

### Corporate Relations

John Gibson  
(949) 929-8922  
j.b.gibson.at.ieee.org

### CTO

Naveen Reddy  
naveen.reddy.at.linquest.com

### Government Activities

R Sampath  
(323) 908-4306  
rsampath.at.ieee.org

### Listserve/Email Manager

Christine Ruther  
c.ruther.at.ieee.org

### Membership Development

Paul Donahue  
(949) 400-6393  
pauldonahue.at.ieee.org

### Newsletter Editor

Dr. Héctor De Los Santos  
(310) 259-0767  
hector.delossantos.at.ieee.org

### PACE & Student Activities Chair

Dr. David Cheng  
(714) 278-3734  
dcheng.at.exchange.fullerton.edu

### Programs Chair

Alvin Joseph  
(714) 552-2489  
alvin.at.ieee.org

### Project Engineers-2-Educators, OC Chair

Richard M. Gallaher  
(714) 261-1419  
richard.m.gallaher.at.boeing.com

### SIG Entrepreneurs Network

Frank Forbath  
(714) 549-2001  
f.forbath@ieee.org

### Volunteer Coordinator Chair

Don V Black  
(949) 548-1969  
dblack.at.ieee.org

### Webmaster

Sharon Forsberg  
(714) 315-8178  
me.at.sharonforsberg.com