IEEE

the LYNX

October 2012

Table of Contents

IEEE/Orange County Website:
www.ieee.org/ocs

The Chair's Corner:

Greetings IEEE families!

With the start of a new academic year in this Fall, the IEEE OC Section is also in the most productive season.

We have scheduled several programs for the benefit of the members. It is a great opportunity to "redeem the time" by being active within the Section.

Please browse through the pages of this very informative newsletter and participate in the programs. In this issue, we list several programs-seminars, conferences, and a student design contest.

The two new chapters (AESS and CES) formed in this year are actively planning several programs. We had an IEEE Distinguished Lecturer from UK last month at the AESS chapter and there will another IEEE Distinguished lecturer from San Jose at the CES chapter next month.

We are reviving our educational programs to college students and K-12 students through PACE, E2E, K-12 STEM Literacy programs thanks to the new committed volunteers. We have also set our goals to participate in industrial and government relations.

The OC Section nomination committee is actively seeking Section Officers to lead the IEEE-OC Section Executive Committee. I am looking forward to assisting those interested in being nominated to run for the year 2013.

Let us know if you can make a difference at the IEEE OC Section.

Best,

Dr. John Collins
2012 IEEE Orange County Section Chairman
collins.AT.ieee.org

The IEEE-OC History Committee wants YOU

As George Burns once famously said, "Just because my body is experienced doesn't mean I'm old."

Those of us who admit to being "experienced" also carry some great memories that should be logged into the OC database for the upcoming OC Section Diamond Jubilee celebration. And should also consider joining the OC Life Member Chapter because we experienced and battle-scarred warriors of EE have a lot to offer.

So, how's about our enjoying a free dinner, guys and gals? Downside:ya gotta buy your own drinks ... but they're reasonably priced. Then we can start working on plumbing the depths of our collective memory.

This invitation is specifically directed to those of you who are (1) Life Members, or (2) who have received the newly issued pins to those who have been IEEE members continuously for the 50 years since the Society's formation (there are only 9400 of us world-wide, 196 of us in OC, just 2% of the total number of IEEE OC members), or (3) legacy members (whose 10-digit member numbers begin with 4 or more zeros ... and there are only about 200 of us OC members in THAT club). As you might imagine, the overlap in membership in those 3 categories is quite high.

If you fit into one our more of those 3 categories, you are invited to attend a great free dinner (New York Salad: sliced New York sirloin, California avocados, sliced red onion, beef-steak tomato, crumbled gorgonzola cheese and cabernet wine vinaigrette, served with soup of the day, warm rolls & butter, chef's choice dessert, coffee, decaf, hot herbal and iced tea, but not free is the full bar service) Saturday, October 6th at the Doubletree Club Hotel (7 Hutton Centre Drive, SA 92707), 6:30 PM. We'll renew old friendships and work our collective memory to reconstruct the early days of the OC Section which will celebrate its Golden Anniversary in March, just 2 months following the formation of the IEEE from the AIEE and IRE. How time flies.

Collectively, what and whom do we recall? Some of my archival stuff shows the following section chairs:

1976, Oliver Watson
1977, Jack Hoagland
1980, Jerry Auckland
1981, Allen Poff
1983, Gene Hostetter

You guys have to recall many more names for various IEEE offices. John Petersen (of Rockwell, then Engineering VP at Western Digital) founded the OC Circuits and Systems Society (I believe it was still known as the Professional Group on Circuit Theory) Chapter. Circuit Theory Group member George Szentermai recruited a lot of OC Section people and organized/chaired the 1983 International Symposium on Circuits and Systems (ISCAS'83) held at the Newporter Inn.

In 1980 the OC Chapter of the Signal Processing Society, then known as the Acoustics, Speech and Signal Processing Professional (ASSP) Group was founded. Yours truly and Doug Elliott, Mauro Dentino, Jeff Strauss, Dave Hench and Les Mintzer were all active early members. And UCI's EE Dept Chair/Dean Allen Stubberud was heavily involved in lots of stuff. Then we OC guys got feisty and organized the 1984 International Conference on Acoustics, Speech and Signal Processing (ICASSP'84) in San Diego. Since the OC troops had conducted 2 very successful international conferences (ISCAS and ICASSP), both setting attendance records, back to back in 2 years, the Navy then asked the OC section if it would produce the 1985 SPIE (Society of Photo-Optical Engineers) Real-Time Signal-Processing Conference. It turned out great! We also produced ISCAS'92 in San Diego and co-produced ISCAS'98 with the Naval Postgraduate School in Monterey.

Anybody recall other early officeholders and activities? Tell us about it. And join us for dinner on the 6th while we try to churn out new recollections. I'm really looking forward to seeing you!

By the way, the Doubletree needs a headcount by Oct. 3rd, so please RSVP to Stan.White@ieee.org by then. See you there!

Stan White, Ph.D., PE, LF
Chair, History Committee
 Stan.White@ieee.org

IEEE OCS Volunteers in the Last 50 Years

As we celebrate the 50th anniversary of IEEE/OCS next year, we would like to post biographies of all of our volunteers (section level and chapters level) on our website – both to give visibility and kudos to the volunteers, and to motivate new members to join the efforts.

Many of you already have a biography that we can post, and if you send your biography to me, we can get it posted.

For those of you who do not have a biography handy, some of the things that are good to include are:

- Name
- Current IEEE position
- Picture
- Contact (email address, linked-in, twitter)
- Education
- Career highlights and achievements
- Publications (papers, books websites, blogs)
- IEEE membership history and past positions
- Other professional organizations or associations
- Personal information – optional

A biography on the IEEE site carries a lot of Internet authority, so we encourage you to take this opportunity to highlight your achievements. If you are uncomfortable writing about how wonderful you are, send an email answering the bullet points above to me and I will do a rough draft that you can use as a starting point. You will have final approval on the biography we post.

Included below are some links to IEEE biographies to give you an idea what an IEEE biography looks like.

Lin Crampton
lin.crampton.at.gmail.com

IEEE Day on October 2

Alt is the third time in history when all engineers worldwide are going to celebrate the IEEE Day, On the anniversary of the first time IEEE members gathered to share their technical ideas in 1884.

While the world benefits from what's new, IEEE is focused on what's next. Thus, this year the theme of the IEEE Day will be "Engineering the Future and Beyond".

The IEEE Day team is made of IEEE student volunteers, young professionals and staff to assure that this year celebration will be even bigger and more impressive than the last two editions. The main task of the IEEE Day Team is to initiate, motivate and coordinate events and efforts to celebrate this day worldwide.

Based on the experience from the past IEEE Day editions, the website has been updated also the IEEE Day social network pages and accounts. A new t-shirt design is published for all who want to actively participate.

Beside a great time and empowering members to engineer the future and beyond, the team took care of supporting active volunteers and encouraging them to participate in the 2012 photo contest.

Ten best photos from the top rated will be awarded with a US $500 prize, designated for unit activities. Besides the contest, IEEE units are encourage to submit a group photo, to be gathered in one video and published in IEEE.tv.

In addition to the $25 discount of IEEE membership for 2013 for the new professional members on IEEE Day (more info).

Do not hesitate; share your excitement, visions and joy with engineers worldwide.
http://www.ieeeday.org/

The IEEE Orange County

Upcoming Events

Oct 9
IEEE OC Section Meeting on "Project Management for Engineers" at Brandman University, Irvine

Oct 12
Coastal LA Section Presents: CLASTECH Symposium and Exhibition Antenna and Microwave Technology (v3)

Oct 17
Ask-A-ScientistNight

Oct 24
EMC Troubleshooting Kit, Workbench Measurements and Common Problems

Oct 24
IEEE OC Tech Job Fair

Oct 24
IEEE OC Student Design Contest

Oct 25
IEEE-USA Webinars

Oct 25
IEEE's Orange County Consumer Electronics Society (CE) &
IEEE CE Distinguished Lecturer ProgramPresent:
What's inside my DVR (TiVo)?

Oct 25
4th IEEE Soft Error Rate (SER) Workshop/Webinar

Oct 27
IEEE Orange County Consultants Network (OCCN) joins with the Los Angeles Area Consultants Network (LAACN) present: LinkedIn Is Compulsory Even For Engineers

Oct 29-Nov 3
2012 IEEE Nuclear Science Symposium, Medical Imaging Conference, Workshop on Room-temperature Semiconductor X-ray and Gamma-ray Detectors

Nov 13
IEEE's Orange County Section and Consumer Electronics Society (CES) Chapter & IEEE CES Distinguished Lecturer Program Present:
Storing Your LifeYou're Part of the Zetabyte Future

Feb 28-Mar 1, 2013
15th IEEE International Symposium and Exhibition: Advanced Packaging Materials

http://sites.ieee.org/ocs/

The IEEE Electron Devices Society (EDS)/Microwave Theory and Techniques Society (MTT-S) Seeks Voltunteers

Are you an EDS or MTT Member? Can you donate 2 hours of your time per month? Please, consider becoming part of the Orange County IEEE EDS/MTT Chapter steering committee. Among other things, you will participate in the planning of chapter activities, have the opportunity to network with other colleagues from academia and industry, and invite, host and interact with a plethora of distinguished speakers which are leaders in their fields. Most importantly, you will contribute to the technical vitality and growth of your fellow engineers in Orange County.

Hope to hear from you!

Héctor J. De Los Santos, Ph.D.
Orange County IEEE EDS/MTT Joint Chapter Chairman
E-mail: info@nanomems-research.com
URL: http://nanomems-research.com/OC_MTT_EDS.html

Newsletter Inputs

We will publish IEEE Orange County Section Newsletter in the beginning of every month. Please provide any Orange County news, engineering conference details, expert view on engineering in Orange County, engineering article or engineering success story to info@nanomems-research.com no later than the 15th of a month. We'll publish the items in the following month. In your e-mail, please, enclose your news item between two lines of "+" characters, i.e.:

++

News Item Title

Newsletter content Newsletter content, Newsletter content Newsletter content Newsletter content Newsletter content, Newsletter content Newsletter content Newsletter content Newsletter content Newsletter content, Newsletter content Newsletter

Picture

++
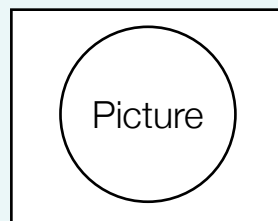
We will be transitioning to a website-only submission model in which your news inputs may be submitted at any time. Information on the website address and logistics, will be provided soon. Please, stay tuned.

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

IEEE Orange County Section Presents:

IEEE OC Student Design Contest (SDC)*

10th International System-on-Chip (SoC) Conference & Exhibit

Engineering & Computer Science Students. . .

IEEE Orange County Section cordially invites you to participate in its 2012 Student Design Contest (SDC)! The Contest will be held on Wednesday, October 24, 2012, at the 10th International System-on-Chip (SoC) Conference Exhibit, at the Irvine Hilton.

The SDC provides an outstanding forum in which graduate and undergraduate students' efforts can be shared with an audience of academic and industrial technical experts. SDC

Project Proposal

The Student Design Contest is designed to encourage engineering and computer science undergraduates and graduates students to work on a new project and present their work at the 10th International System-on-Chip (SoC) Conference Exhibit to a group of judges from industry and academia.

Each project will be judged based on its overall complexity, originality, and completion of the work.

The Design Projects Could Be In . . .

- Hardware Design
- Robotics
- Software Design
- Analog Design
- Digital Design
- EDA Tools
- Chip Design / SoC
- MEMS
- SOI vs. CMOS
- Optics
- Embedded platforms
- Graphics Sub-system
- Instrumentation
- Software Algorithms
- FPGA-Based Design
- Microcontroller-Based
- Embedded Systems
- Design Methodologies
- Detailed Technology Analysis/Research
- Bio-Engineering
- CPUs & DSPs
- Memory Design
- SSD
- I/O Sub-systems
- Web-Related Projects
- And Similar Topics . . .

"Wild & crazy" design projects are also welcomed! We look forward to hearing from you.

Don't miss out!

An excellent opportunity to network & promote Your engineering talent & expertise!

Dates to Remember

(1) **Monday, October 1, 2012:** Deadline for submission of Design Contest Proposal/Abstract (i.e., 1-2 paragraphs in MS Word) and your short biography.
Submit to: SoC@SoCconference.com

(2) **Monday, October 22, 2012:** Deadline for submission of Final Report (in MS Word or PowerPoint).
Submit to: SoC@SoCconference.com

(3) **Wednesday, October 24, 2012:** Projects will be reviewed and winners will be announced at the 10th International SoC Conference Exhibit reception starting at 5:00 PM, at the Irvine Hilton.

Prizes

(1) **The first 40 students who submit their FINAL report/papers will receive a Western Digital Passport Hard Drive!** You must be at the event on Wed, Oct. 24, to receive your WD Hard Drive. No Exceptions!

(2) First Prize: $500.00
Second Prize: $300.00
Third Prize: $200.00

(3) All participating students (who have submitted their Final Report) will receive a "2-Day Conference package."

(4) Names and pictures of the winners will be displayed on the SoC Conference and IEEE OC Section websites.

Contest Rules

- Final Report format must be in MS Word or PowerPoint.
- Poster size: 24x36 (or slightly larger).
- Poster presentation date: Wed, Oct. 24.
- Students must be at the SoC Conference Exhibit Room for poster setup & to discuss their projects with the judges at 5:00 pm on Wed, Oct 24.
- Check the SoC Conference website for updates.

* SDC Program is subject to change. Savant Company Inc. and the SoC Conference Organizing Committee reserve the right to revise or modify the above program at its sole discretion. Please visit the SoC Conference website for updates and changes.

Questions

Please send your questions to:SoC@SoCconference.com or Visit the following websites:
www.SoCconference.com/students.htm
www.ieee.org/ocs

Call for Nominations for Orange County Section 2013

Nominations are open for Orange County Section members to apply for Section Officers. The officers will lead the IEEE-OC Section Executive Committee (ExCom) for a 1 year period starting January 2013. Nominate another IEEE member or nominate yourself.

THE SLATE:

- Chairman: The Section Chair shall serve as Chair for all meetings of the Section, and the Section ExCom.

- Vice Chairman: The Section Vice Chair shall assist the Chair in the coordination of all Section activities. At the request of the Section Chair or in the absence of the Section Chair, the Section Vice Chair shall chair meetings of the Section and the Section ExCom.

- Treasurer: The duties of the Section Treasurer shall include the development of a Section budget for approval by the Section, accounting of all Section funds, keeping financial records, and submitting the Section Financial Report to IEEE Headquarters.

- Secretary: The duties of the Section Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting and officer reports at the end of each year, and other duties as are assigned to him/her by the Chair.

A basic requirement for all roles is to be an IEEE member of Graduate Student Member, Member, Senior Member or Fellow grade. Other requirements include regular attendance at Section ExCom Meetings, professionalism, a minimum 1 year commitment, and interest in fostering our community – all in a positive and productive setting.

NOTE: According to the IEEE-OC Section Bylaws, the open nomination period ends 30 days from September 1st, at which point no further nominations shall be accepted.

The Section Nominations Committee (comprising of past Section Chairs) will review all nominations to ensure that the right candidate slate is presented for elections, to ensure strong leadership for our community in the coming years.

Details on our current officers and ExCom are at www.ieee.org/ocs.
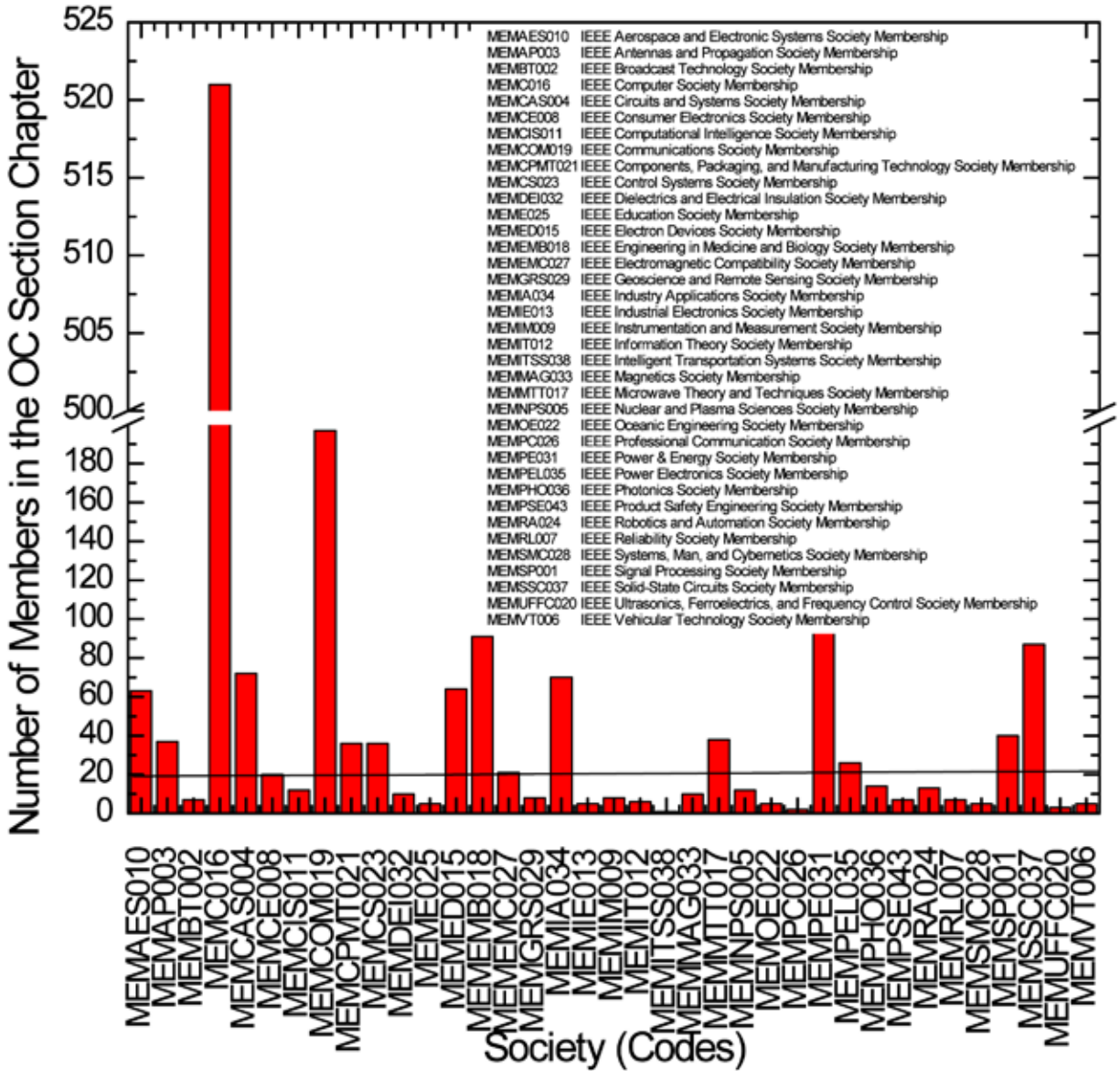
Please email me directly with nominations.

Russell Hunter
RussellH@Computer.org
Past-Chair, IEEE Orange County Section

IEEE

New Technical Society Chapter Formation in IEEE OC Section

The following graph shows the number of members in different societies of Orange County Section

Legend:

Code	Society
MEMAES010	IEEE Aerospace and Electronic Systems Society Membership
MEMAP003	IEEE Antennas and Propagation Society Membership
MEMBT002	IEEE Broadcast Technology Society Membership
MEMC016	IEEE Computer Society Membership
MEMCAS004	IEEE Circuits and Systems Society Membership
MEMCE008	IEEE Consumer Electronics Society Membership
MEMCIS011	IEEE Computational Intelligence Society Membership
MEMCOM019	IEEE Communications Society Membership
MEMCPMT021	IEEE Components, Packaging, and Manufacturing Technology Society Membership
MEMCS023	IEEE Control Systems Society Membership
MEMDEI032	IEEE Dielectrics and Electrical Insulation Society Membership
MEME025	IEEE Education Society Membership
MEMED015	IEEE Electron Devices Society Membership
MEMEMB018	IEEE Engineering in Medicine and Biology Society Membership
MEMEMC027	IEEE Electromagnetic Compatibility Society Membership
MEMGRS029	IEEE Geoscience and Remote Sensing Society Membership
MEMIA034	IEEE Industry Applications Society Membership
MEMIE013	IEEE Industrial Electronics Society Membership
MEMIM009	IEEE Instrumentation and Measurement Society Membership
MEMIT012	IEEE Information Theory Society Membership
MEMITSS038	IEEE Intelligent Transportation Systems Society Membership
MEMMAG033	IEEE Magnetics Society Membership
MEMMTT017	IEEE Microwave Theory and Techniques Society Membership
MEMNPS005	IEEE Nuclear and Plasma Sciences Society Membership
MEMOE022	IEEE Oceanic Engineering Society Membership
MEMPC026	IEEE Professional Communication Society Membership
MEMPE031	IEEE Power & Energy Society Membership
MEMPEL035	IEEE Power Electronics Society Membership
MEMPHO036	IEEE Photonics Society Membership
MEMPSE043	IEEE Product Safety Engineering Society Membership
MEMRA024	IEEE Robotics and Automation Society Membership
MEMRL007	IEEE Reliability Society Membership
MEMSMC028	IEEE Systems, Man, and Cybernetics Society Membership
MEMSP001	IEEE Signal Processing Society Membership
MEMSSC037	IEEE Solid-State Circuits Society Membership
MEMUFFC020	IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society Membership
MEMVT006	IEEE Vehicular Technology Society Membership

Based on this graph there is a potential to form chapters for

1. Antennas and Propagation Society
2. Power Electronics Society

Please contact the Chairman, OC Section if you would like to lead the formation of the chapters in OC Section. A minimum of twelve members is required to form a chapter.

IEEE Orange County Section is Pleased to Present:

Project Management Basics for Engineers

Date:	**Tuesday, October 9th, 2012**
Topic:	**Project Management Basics for Engineers**
Speaker Name and Affiliation:	**Mr. Alvin Joseph PMP** **TowerJazz Semiconductor in Newport Beach, CA**
Abstract:	It is fairly common to hear about projects that did not complete on time. The same goes for projects that cost substantially higher than originally estimated. Applying the right project management methodologies and techniques can help you drive projects to on time, on budget completion. More and more companies are utilizing Project Management to accomplish new product introductions, improve the execution of new initiatives and get to successful completion of projects. This presentation will cover: • The basics of project management • Review various project management Methodologies • Strategies to plan and execute successful projects • Scenarios that can disrupt even the experienced project manager
Biography:	Alvin Joseph, PMP brings over 19 years of engineering, information technology and project management experience. He holds a bachelor's degree in electrical & electronics engineering and a Master's degree in Business Administration. He is also a certified Project Manager. Currently, Alvin works as Director, Corporate Business Systems, for TowerJazz Semiconductor in Newport Beach, CA. He also serves on the PMI (Project Management Institute) Orange County Chapter Board of Governors as VP of administration. In addition, he is also Vice-Chairman for the IEEE Orange County section.
Time:	6pm Networking 7pm Presentation
Location:	Brandman University Room 111 16355 Laguna Canyon Road Irvine, CA
Food:	food will be provided at $5.00 per person, idollar's accepted
RSVP:	http://pmtalk.eventbrite.com/

EMC Troubleshooting Kit, Workbench Measurements and Common Problems

Because time-to-market and budget factors often drive many of today's high-tech designs, electromagnetic compatibility (EMC) issues often surface at the last moment in the design cycle, potentially delaying product introductions. Very often, simple pre-compliance measurements and techniques can identify issues early when the cost of implementation is substantially lower and design improvements may be made with less impact on schedules. This seminar covers how to assemble an EMC troubleshooting kit, simple bench top measurement methods you can use and will include a number of real-world EMC problems.

Location:
140 North Olinda Place
Brea, California
United States 92823

Date:
24-October-2012

Time:
06:00PM to 09:00PM (3.00 hours) All times are: PST8PDT

Meeting Agenda:
6:00pm Dinner
6:30pm Presentation.

Presenter Bio:

Kenneth Wyatt, Sr. EMC engineer, Wyatt Technical Services, LLC, holds degrees in biology and electronic engineering and has worked as an product development engineer for 10 years at various aerospace firms on projects ranging from DC-DC power converters to RF and microwave systems for shipboard and space systems. For over 20 years, he has worked as a senior EMC engineer for Hewlett-Packard and Agilent Technologies in Colorado Springs where he provided comprehensive EMC design and troubleshooting services. He was a leader in regulatory and EMC policy and training at the corporate level for both HP and Agilent, retiring in 2008, to assist many other companies as an independent consultant.

A prolific author and presenter, he has written or presented on topics including RF amplifier design, RF network analysis software, EMC design of products and use of simple tools for EMC troubleshooting. He has been published in magazines such as, RF Design, RF Technology International, Test & Measurement World, Interference Technology, InCompliance, Electronic Design, Microwave Journal, HP Journal and several others.

Kenneth is a senior member of the IEEE and a long time member of the EMC Society. His comprehensive, yet practical, in-house and public EMC design, measurement and troubleshooting seminars have been presented across the U.S., Europe and Asia. He currently authors The EMC Blog for Test & Measurement World (www.tmworld.com).

**IEEE Orange County Consultants Network (OCCN) joins with the
Los Angeles Area Consultants Network (LAACN) present:**

LinkedIn Is Compulsory Even For Engineers

Date:	**Saturday, October 27th, 2012**
Topic:	**Being an Engineering Consultant: What Does it Take?**
Speaker Name and Affiliation:	**Sven Johnston** VP of Sales & Strategic Partnerships 877.SAVVY.01, ext 108 sven@gigasavvy.com
Abstract:	LinkedIn is one of the largest Social networks out there with 175 million members worldwide. Most people think that LinkedIn is just for job seekers but in reality it the best business development tool out there and looking for a job is just part of the possibilities. During the past 4 years I have taught over 2000 people how to use LinkedIn and realized that most people don't brand themselves very well and are not aware of the variety of functionality that LinkedIn offers. Hopefully, after this meeting you will take away at least one new insight and use it to your advantage.
Biography:	Sven Johnston is the VP of Strategic Partnership for GigaSavvy - a marketing firm that specializes in Search Engine Optimization, Social Media Marketing and Web Design & Development. In the past 17 years he has worked for Fortune 500 companies all the way down to small entrepreneurial businesses in Germany, Australia and the US. He is responsible for building long-term relationships with direct clients as well as forging strategic partnerships with Advertising Agencies, PR and Web design companies. In 2009, Sven decided to take on LinkedIn and started a campaign to give Orange County its own location code on the very popular social business platform. To support his campaign he founded a group called "We are Orange County!" which currently has over 6700 members. After using social and traditional media for over 5 months he finally succeeded and LinkedIn gave into the pressure creating a new location code for Orange County.
Time:	10:00 AM Introductions & Presentation 12:00 PM Lunch & Networking
Location:	Cal State Fullerton on Nutwood and 57 in Fullerton. Meeting is in the Engineering and Computer Science (ECS) Building. Room 221.
Parking:	Saturday parking is free. Enter from Nutwood and take Folino Drive north to Parking Lot E. See maps at http://parking.fullerton.edu/parking/Maps.aspfor more detail.
Note:	Lunch is free with reservation. Send reservations or questions to r.gauger@ieee.org.
RSVP:	Check out the IEEE-USA consultant's website, database, and resources at www.ieeeusa.org/business.

IEEE's Orange County Consumer Electronics Society (CE) &
IEEE CE Distinguished Lecturer ProgramPresent:

What's inside my DVR (TiVo)?

Date:	Thursday, October 25, 2012
Topic:	What's inside my DVR (TiVo)?
Speaker Name and Affiliation:	**Dr. Samuel H. Russ, Ph.D. –** Assistant Professor, Dept. of Electrical and Computer Engineering, University of South Alabama
Abstract:	A digital video recorder (DVR) makes an interesting piece of consumer electronics because it contains almost every type of electrical and electronic circuit, including power supplies, microprocessors, analog audio and video, and RF (radio frequency) circuits. This provides an interesting overview of consumer electronics for both seasoned engineers as well as students considering electrical engineering careers.
Biography:	Dr Russ received his Ph.D. in EE from Georgia Tech in 1991. He taught at Mississippi State University for five years and worked at Scientific-Atlanta, a Cisco company, for seven years before coming to USA.
Time:	6:00 pm: Registration & Networking 6:30 pm: Dinner 7:15 p.m. – 8:45 p.m. Presentation by Dr. Russ 8:45 p.m. – 9:00 p.m. Q&A and Networking
Location:	The Doubletree Club Orange County Airport 7 Hutton Centre Drive, Santa Ana, CA, 92707-5794 714-751-2400
Cost:	$15.00 CE Society members, $25.00 IEEE members, $30.00 non-members, lecture only guests are Free.
RSVP	http://ieeeocces.eventbrite.com
Contact:	Reggielittle@ieee.org

4th IEEE Soft Error Rate (SER) Workshop/Webinar

Thursday, October 25, 2012
A live Webinar (also available later, on-demand)
11:30 AM - 5:00 PM – No cost (live on the Internet)

Speakers: Nelson Tam, Marvell; Robin Gardiner, Matheson Gas; Bharat Bhuva, Vanderbilt University; Jeff Wilkinson, Medtronic; Brendan McNally, XIA; Mike Gordon, IBM; Shah Jahinuzzaman, Intel; Brett Clark, Honeywell; Yi-Pin Fang, TSMC; Sang H. Baeg, Hanyang University

TOPICS:
alpha emissions
packaging materials and manufacturing processes
control and mitigation
low-k
updates and advances

Full details, listing of talk summaries, and to register:
www.cpmt.org/scv/meetings/cpmt1210w.html

The 4th annual IEEE Santa Clara Valley SER Workshop provides a unique forum for component manufacturers, assembly houses, and electronic system manufacturers to exchange innovative ideas and recent results on the measurement, monitoring, and control of alpha emission from packaging materials and manufacturing processes. Built on the success of our workshops held in 2009 through 2011, this year's event continues to cover a wide range of areas and subjects critical to the control and mitigation of device soft error rates. Talks will cover the newest updates and advances for a wide range of areas including alpha emissivity measurement techniques and processes and impact on advanced low-k devices. Speakers come from equipment makers, component manufacturers, and academic institutions. This Workshop is available at no cost, on the Internet.

IEEE's Orange County Section and Consumer Electronics Society (CES) Chapter & IEEE CES Distinguished Lecturer Program Present:

Storing Your LifeYou're Part of the Zetabyte Future

Date:	**Tuesday, November 13, 2012**
Topic:	**Storing Your Life You're Part of the Zetabyte Future**
Speaker Name and Affiliation:	**Thomas M. Coughlin** President, Coughlin Associates, San Jose California
Abstract:	This presentation discusses the drivers for consumer digital storage, the different mobile and static usage models for digital storage in consumer devices and the resulting consumer storage hierarchy. Important characteristics of consumer storage devices are shown and guidelines are given for how digital storage should be designed in consumer devices. Demand for higher resolution content and for capturing ever greater details of the life of family members will drive increases in commercial as well as personal content storage demand. Sharing of content within a home or over the Internet creates much greater demand for storage since a shared file can be multiplied many times through network sharing. Implementation of a virtualized integrated storage utility into most homes with appropriate ease of use, suitable for consumers, will benefit customers by providing greater access to data as well as enhanced content protection using local as well as remote storage..
Biography:	Tom Coughlin, President, Coughlin Associates is a storage analyst and consultant. He has over 30 years in the data storage industry with multiple engineering and management positions at high profile companies. Dr. Coughlin has many publications and six patents to his credit. Tom is also the author of Digital Storage in Consumer Electronics: The Essential Guide, which was published by Newnes Press in March 2008. Coughlin Associates provides market and technology analysis (including reports on several digital storage technologies and applications and a newsletter) as well as Data Storage Technical Consulting services. Tom is active with SMPTE, IDEMA, SNIA, the IEEE Magnetics Society, IEEE CE Society (Adcom member, TPC member, Associate Editor and VP of Operations and Planning), and other professional organizations. Tom is the founder and organizer of the Annual Storage Visions Conference (www.storagevisions.com), a partner to the annual Consumer Electronics Show as well as the Creative Storage (www.creativestorage. org). Tom has also been the chairman of the annual Flash Memory Summit. He received a B.S. in Physics and an M.S.E.E. from the University of Minnesota (Minneapolis) and a PhD in Electrical Engineering from Shinshu University in Nagano, Japan.
Time:	6:00 – 7:00 pm: Registration & Networking 7:00 p.m. – 8:00 p.m. Presentation
Location:	Brandman University Room 111 16355 Laguna Canyon Road Irvine, CA(949) 753-4774 .
Cost	food will be provided at $5.00 per person, idollar's accepted
RSVP:	ReggieLittle@IEEE.ORG

IEEE Orange County Section EMBS Chapter & IEEE EMBS Distinguished Lecturer Program Present:

Emerging Biomedical Technologies of High Potential Impact: Multi-Spectral Optical and NIR Imaging for Point-Of-Care Applications

Date:	**Thursday, December 13th, 2012**
Topic:	**Emerging Biomedical Technologies of High Potential Impact: Multi-Spectral Optical and NIR Imaging for Point-Of-Care Applications**
Speaker Name and Affiliation:	**Atam P. Dhawan, Ph.D.** Distinguished Professor, Electrical & Computer Engineering, Interim Dean, Albert Dorman Honors College New Jersey Institute of Technology
Abstract:	Recent advances in sensor electronics, instrumentation and computing technologies continue to impact the field of medicine. Research in basic, applied and clinical sciences have improved the diagnosis, and pathological understanding of critical diseases including cancers, cardiac failures and neurological disorders. This talk will first focus on current and future trends in fast emerging biomedical technologies with high potential impact in improving global healthcare for early diagnosis, treatment monitoring and therapeutic intervention. Five areas of interdisciplinary biomedical research and technology development that are expected to make significant impact in medicine and clinical healthcare will be discussed. While the radiological medical imaging modalities provide essential diagnostic and therapeutic tools, point-of-care healthcare technologies and medical informatics are leading a new perspective to global healthcare issues and personalized medicine. Optical imaging in Point-of-Care healthcare technologies will be explored. Multi-spectral epiluminescence and transillumination imaging technologies for skin-lesion imaging for early detection and characterization of malignant melanoma will be presented. Recent results on oxygen saturation and blood glucose measurement will also be discussed.
Biography:	Atam P. Dhawan obtained his bachelor's and master's degrees from the Indian Institute of Technology, Roorkee, and Ph.D. from the University of Manitoba, all in Electrical Engineering. From 1985-2000, he held faculty positions in Electrical & Computer Engineering, and Radiology departments at University of Houston, University of Cincinnati, University of Texas, University of Texas Medical Center (Dallas) and University of Toledo. In July 2000, he joined NJIT where he served as the Chair of the Department of Electrical and Computer Engineering for nine years. Currently he is a Distinguished Professor of Electrical & Computer Engineering and Interim Dean of Albert Dorman Honors College at NJIT where he serves as the Executive Director of the Interdisciplinary Design Studio. He is also an Adjunct Professor of Radiology at the University of Medicine and Dentistry of New Jersey. Dr. Dhawan has published more than 210 research articles in refereed journals, books, and conference proceedings. His current research interests are medical imaging, multi-modality medical image analysis, adaptive learning and pattern recognition. His research work has been funded by NIH, NSF and several industries. Dr. Dhawan is a recipient of Martin Epstein Award (1984), National Institutes of Health FIRST Award (1988), Sigma-Xi Young Investigator Award (1992), University of Cincinnati Faculty Achievement Award (1994) and the prestigious IEEE Engineering in Medicine and Biology Early Career Achievement Award (1995) and University of Toledo Doermann Distinguished Lecture Award (1999). He is Senior Editor of IEEE Transactions of Biomedical Engineering and Editor-In-Charge of IEEE TBME Letters. He is also Co-Editor-In-Chief of the new open-access IEEE Journal of Translational Engineering in Health and Medicine. He has served on many IEEE EMBS professional committees and has delivered several Workshops on Intelligent Biomedical Image Analysis in IEEE EMBS International Conferences (1996, 1997, 2000,

Biography cont...	2003). He served as the Chair of the "Emerging Technologies Committee" of the IEEE-EMB Society from 1997-99, and 2009-11. He is also a member of the IEEE Life Sciences Committee. He was the Chair of the "New Frontiers in Biomedical Engineering" Symposium at the World Congress 2000 on Medical Physics and Biomedical Engineering. He was the Conference Chair of the IEEE 28th International Conference of Engineering in Medicine and Biology Society, New York in 2006. He served as American Liaison and EMBS Representative in the Steering Committee of International Symposium of Biomedical Imaging (2009-11). He is the Conference Chair of IEEE International Conference on Point-of-Care Healthcare Technologies to be held in Bangalore India from January 16 to January 18, 2013.
	Dr. Dhawan has chaired numerous NIH special emphasis and review panels. Currently he chairs the NIH Chartered Study Section on Biomedical Computing and Health Informatics (2008-11). He is a Fellow of the IEEE and a member of Sigma Xi and Eta Kappa Nu honor societies. He is listed in Who's Who in the World, Who's Who in America, Who's Who in Engineering, and Who's Who Among America's Teachers
Time:	6pm Networking 7pm Presentation
Location:	Brandman University • Room 111 16355 Laguna Canyon Road, Irvine, CA(949) 753-4774
Food:	Food will be provided at $5.00 per person, idollars accepted
RSVP:	http://embstalk.eventbrite.com/

IEEExtreme 6.0 Proctors for UC Irvine Student Branch Needed

IEEEXTREME PROGRAMMING COMPETITION 6.0

The IEEE Student Branch at the University of California, Irvine is participating for the first time in this years IEEExtreme 24-hour Programming Competition. IEEEXtreme is a global challenge in which teams of IEEE student members compete in a 24-hour time span against each other to solve a set of programming problems. In order to participate in this competition the UCI Student Branch needs volunteers who are of IEEE member grade or higher to proctor the competition. The competition starts on October 19th at 5pm and will end on October 20th at 5pm. The students will be competing from the UCI campus and proctors will need to be present throughout the competition. Multiple proctors will be present so the proctor will not be expected to be present for the entire 24 hours. Team registration ends on October 5th at 5pm so please contact Robert Rodriguez via email at

Robert_Rodriguez@IEEE.org ASAP for more information.

Here is a link for proctor sign ups:
http://doodle.com/mvi53z7tdb5zma9f

All participants including proctors get free IEEExtreme tshirts. Please contact Robert Rodriguez via email at Robert_Rodriguez@IEEE.org via email when you sign up with your IEEE # and T-Shirt size. Team Registration Ends October 5th at 5pm.

IEEEXtreme is a global challenge in which teams of IEEE student members – supported by an IEEE Student Branch, advised and proctored by an IEEE member – compete in a 24-hour time span against each other to solve a set of programming problems.

http://www.ieee.org/membership_services/membership/students/competitions/xtreme/index.html

IEEE Fellow Profile:
John T. Tengdin, P.E.

John T. Tengdin, P.E. (M' 1949, SM' 1957, LS' 1992, LF' 2007) graduated from Purdue University, West Lafayette, IN in 1949 with a BSEE degree, Power Option. His employment experience includes Dayton Power and Light Company, General Electric Company, Honeywell Information Systems, and the Tech Division of American Diversified Bank. He is a Registered Professional Engineer in the State of Missouri. He began work as an independent consultant in 1986, formed OPUS Publishing as a two man partnership specializing in substation automation and cyber security in 1999, which became OPUS Consulting Group in 2007. He has received numerous awards from the PES Substations Committee and the PES Power Systems Relaying Committee for his work on technical papers and standards, and from the IEEE Standards Association for rapid standards development.

His 2007 Fellow citation is "for leadership in Ethernet local area network based protective relaying and control in electric power substations". He is currently Co-Chair of IEEE PES Substations Working Group C2.

IEEE Fellow Candidates Nominations Due March 1st, 2013 for Fellow Class of 2014

Nominate a worthy colleague for elevation to the prestigious rank of IEEE Fellow. Requirements and nomination forms can be found at http://www.ieee.org/membershipservices/membership/fellows/fellow_nomination_forms.html.

Coastal LA Section Presents

CLASTECH Symposium and Exhibition Antenna and Microwave Technology (v3)

October 12, 2012
Hacienda Hotel • El Segundo, CA

Exhibition & Poster Sessions

There will be an exhibition with local and national vendors.

10 AM to 3:30 PM
There will also be a student poster session during lunch

ROOM A- Microwaves
8:30 AM (Order TBD)

Session A1 Topic

"High Linearity, High Efficiency Ka-Band GaN Power Amplifier", by Paul Blount, CustomMMIC

"Active Integrated Circuits for Terahertz Communication" by Ingmar Kallfass, Karlsruher Institut für Technologie (KIT)

10:10 - 10:40 AM Break
(Exhibit Opens at 7:30 AM)

10:40 AM

Session A2 Topic

"RFIC for Microwave Applications (TBD)", by Prof. Gabriel Rebeiz, UCSD

11:30 AM – 1:00 PM Lunch
Lunch and the Student Poster Competition

1:00 PM – 3:00 PM 3rd Session
Session A3 Topic

"Implantable Wireless Medical Devices and Systems" by J.C. Chiao, Univ. of Texas at Arlington

"Commercial Applications for RF MEMS" by Stepan Lucyszyn, Imperial College

London

3:00 – 3:30 PM Break
(Exhibition Closes at 3:30 PM)

Student Poster Competition

Phil Arnold
Terry Cisco
Register Online: http://clastech2012.eventbrite.com

Download this flyer
http://home.earthlink.net/~clastech/clastech.pdf

ROOM B- Antennas
8:30 AM (Order TBD)

Session B1 Topic
"Detectors, and Sources for Terahertz Science and Technology", by Dr. Goutam Chattopadhyay, JPL

"Development of Compact High Performance Antenna Feeds for Space Application", by Dr. Clency Lee-Yow, CMI

10:10 - 10:40 AM Break
(Exhibit Opens at 7:30 AM)

10:40 AM

Session B2 Topic

"Recent Advances in Leaky-Wave Antennas", by Dr. David Jackson, Univ. of Houston

11:30 AM – 1:00 PM Lunch

Lunch and the Student Poster Competition

1:00 PM – 3:00 PM 3rD Session

Session B3 Topic

"Low-Profile High-Efficiency Planar Antennas for Aeronautical, Mobile, and Fixed SATCOM Applications" by William Milroy, Chairman and CTO, ThinKom Solutions, Inc.

"Modeling the F-16 Phased Array" by Dane Thompson, Ansys

3:00 – 3:30 PM Break
(Exhibition Closes at 3:30 PM)

For More Information Contact
Charlie Jackson c.jackson@ieee.org

Steering Committee

Chair: Charlie Jackson

TPC Chair: Arvind Sharma

Antennas: Arun Bhattacharyya, Sudhakar Rao, John Gianvittorio, Frank Villegas

Microwaves: Vesna Radisi, Kevin Leong

Student Posters: Phil Arnold- TBD

Terry Cisco- TBD

Local Arrangements: Bryan Takamiya, Brian Welles, Manny Olemedo, Alan Reynolds, Sharon Fletcher, Steve Swift

2012 IEEE Nuclear Science Symposium, Medical Imaging Conference, Workshop on Room-temperature Semiconductor X-ray and Gamma-ray Detectors

The 2012 IEEE Nuclear Science Symposium and Medical Imaging Conference, together with the Workshop on Room-Temperature Semiconductor X-Ray and Gamma-ray Detectors will be held in at the Disneyland Hotel (Anaheim, California), from October 29th–November 3rd.

This particular conference has attracted a record number of abstracts, 1805 (excluding Workshops), for NSS/MIC meetings held in the U.S. This number was bested by Dresden in 2008 with 1979, and edged by Valencia in 2011 with 1818. The conference is also truly international with only about one-third of the abstracts submitted coming from the U.S. The committee is doing an outstanding job in arranging the program and ensuring the most efficient use of the Disneyland Hotel convention spaces. With the large abstract submission we are also looking at increasing the room block at the Disneyland Hotel since the rooms are already going fast and, based on the number of abstracts submitted, we are expecting about 2100 attendees. workshop details: www.nss-mic.org/2012

Tom K. Lewellen
General Chair
E-mail:
nssmic2012@u.washington.edu
Phone: 01 206 498 4501

conference web site
http://www.nss-mic.org/2012

Nuclear Science Symposium

The IEEE Nuclear Science Symposium (NSS) offers an outstanding opportunity for scientists and engineers interested, or actively working in the fields of nuclear science, radiation detection, high-energy physics and astrophysics. The scientific program provides a comprehensive review of the latest developments in technology and covers a wide range of applications from radiation instrumentation and new detector materials to complex detector systems for physical sciences and advanced imaging systems for biological and medical research. The NSS program consists of plenary, parallel, and poster sessions. The basic NSS topic areas are:

- Analog and Digital Circuits
- Astrophysics and Space Instrumentation
- Accelerators and Beam Line Instrumentation
- Computing and Software
- Data Acquisition and Analysis Systems
- Gaseous Detectors
- High Density Detector Processing and Interconnect Technologies
- Homeland Security
- Nuclear Measurements and Monitoring Techniques
- Nuclear Physics Instrumentation
- High Energy Physics Instrumentation
- Instrumentation for Radiation Applications in Medicine
- New Solid-state Detectors
- Neutron Instrumentation
- Photon Detectors and Radiation Imaging Detectors
- Radiation Damage Effects
- Scintillators and Scintillation Detectors
- Semiconductor Tracking and Spectroscopy Detectors
- Synchrotron Radiation and FEL Instrumentation
- Trigger and Front-end Systems
- Nuclear Power

Maxim Titov
NSS Program Chair
E-mail: maxim.titov@cea.fr

19th Workshop on RTSD: X-ray and Gamma -ray Detectors

The 19th International Workshop on Room-Temperature Semiconductor Detectors (RTSD) represents the largest forum of scientists and engineers developing new semiconductor radiation detectors and imaging arrays. The basic topic areas are:

- Semiconductor Materials for Radiation Detection
- Organic and other Photoconductive Materials for Radiation Detection
- Crystal Growth, Materials and Defects Characterization
- Strip, Pixel and Discrete Semiconductor Detectors
- Properties of Electrical Contacts and Device Fabrication Technology
- Radiation Damage, Long-Term Stability and Environmental Effects
- Scintillator/Semiconductor Array Hybrids
- Solid-state Neutron Detectors
- Detector/ASIC Hybridization, Interconnects and Electronics
- Spectrometer Systems for Homeland Security, Nuclear Inspections
- Safeguards and Portal Monitoring
- Imaging Systems for Medical, Astrophysics, Nondestructive Testing and Cargo Monitoring Applications

Ralph B. James
RTSD Cochair
E-mail: rjames@bnl.gov

Medical Imaging Conference

The Medical Imaging Conference (MIC) is the foremost international scientific meeting on the physics, engineering and mathematical aspects of nuclear medical imaging. Multimodality approaches are now well accepted in the field. The content of the MIC reflects this, with a growing emphasis on the methodologies of X-ray, optical, ultrasound and MR imaging as they relate to and complement nuclear imaging techniques. In addition, specialized topics will be addressed in the Short Courses. The basic topic areas are:

- Emission Tomography Instrumentation
- (PET, SPECT)
- Other Medical Imaging Technologies
- (CT, MR, Optical, Ultrasound, etc.)
- Multimodality Systems
- High Resolution and Preclinical
- Imaging Instrumentation, Techniques and Systems
- Intraoperative Probes and Portable
- Imaging Systems
- New Detector Materials/Technologies for Medical Imaging
- Image Reconstruction Methods
- Data Corrections and Quantitative Imaging Techniques
- Simulation and Modeling of Medical Imaging Systems
- Data Acquisition and Signal Processing
- Image Processing and Parametric Imaging
- Imaging in Radiotherapy

Vesna Sossi
MIC Program Chair
E-mail: vesna@phas.ubc.ca

Welcome New Members

James Robert Finley	Jordan Hill	William Richards
Camille B Macalinao	Michael Horne	Brenton Roberts
Benjamin Boronow	Zhengjun Jiang	Sahil Shah
David Broeckelman-Post	Daniel Juarez	Brenton Ross Simon
Christopher Paul Daden	David Le	Shane Philip Stahlheber
Ali Etezadkhah	Timothy Lee	Kurt Kenan Tarhan
Christopher William Fitch	Shilpa Marti	Daniel S. Telumbre
Noah Kane Gampe	Giovanni Ruiz Martino	Anthony Ngoc Tran
James Marshall Gilson IV	Mark Milam	Gilbert Tse
Wesley V Goldwell	Thomas Moffitt	Jane Jian Wang
Jimmy He	Christopher Painter	Fadiwadih Francis
Chris Healy	Urvik Patel	Maryam Khademi
Mohammed Hilfi	Michael Pedroza	

15th IEEE International Symposium and Exhibition

Advanced Packaging Materials

Date: February 27 to March 1, 2013
Location: Atrium Hotel, Irvine, California,USA

Abstracts are solicited in the following topical areas:

Adhesives and underfills
- materials & applications, advanced processes, and reliability

Circuit boards, substrates, and dielectrics
- advanced circuit boards and substrates, properties, and processing

Encapsulants, thinfilms, and coatings
- materials & applications, new processes, and reliability

Flip-chip interconnect materials and processing
- bumping materials, bumping methods, and reliability evaluations

Manufacturing and Reliability
- New manufacturing techniques and testing

Materials and processes for 3-D integration
- thru-silicon-via formation, stacking, plating and bonding

Optoelectronic and microwave materials
- New materials and processes for optoelectronic and microwave packaging

Solders and soldering operations
- lead-free solders, new bonding and soldering processes, reliability

Posters

Who should attend:

Attendees of this symposium have been researchers, developers, producers and users of materials and processes for packaging the whole range of electronic and optoelectronic products.

Abstract submission:

For presenting a paper in this symposium, please send an abstract (~150words)via e-mailto cclee@uci.edu and copy myim@broadcom.com. Please include your affiliation, mailing address, phone number, and e-mail address in your submission.

Important dates:

Abstract submission deadline: December 15,2012.

Acceptance notice: within 4 weeks of abstract receipt or Dec31,2012, whichever is earlier.

Full manuscript submission deadline: January 15, 2013

For more information, please contact:

General Chair: TomGregorich,Broadcom, Irvine, California, tomg@broadcom.com Program Chair: Chin C. Lee, University of California, Irvine, California, cclee@uci.edu

Publicity Chair: Sam Karikalan, Broadcom, Irvine, California, samk@broadcom.com

Upcoming Engineering Events at UC Irvine

Title	Location	Date
Digital Communication Techniques for Underwater Acoustic Channels	Engineering Hall 2430 - Colloquia Room	Oct 1, 2012 11:00am
Insights into electrochemical reactions by in-situ techniques	McDonnell Douglas Engineering Auditorium	Oct 12, 2012 3:00pm
7th LFD Workshop in Advanced Fluorescence Imaging and Dynamics	Natural Sciences II 3201	Oct 22-26, 2012 (All day)
Microvascular structure and function in vitro	McDonnell Douglas Engineering Auditorium	Nov 16, 2012 3:00pm

IEEE-USA Webinars

http://www.ieeeusa.org/careers/webinars/

IEEE-USA's Webinars are designed to help you in find your next job, maintain your career, negotiate an appropriate salary and understand ethical considerations in the workplace, among other career building strategies.

Marketing: Technology Entrepreneurs

Date: 25 Oct 2012 | 2-3 PM ET
Presenter(s): Thomas J. Morley

Tom Morley, who works for the SBDC in New York, will be the host for the IEEE's Marketing Webinar for technology entrepreneurs. Mr. Morley will share his vast experience working with technology companies to provide some insight on how technology company owners can market their business products.

Getting Your Resume Out of Cyberspace and onto the Manager's Desk!

Date: 15 Nov 2012 | 2-3 PM ET
Presenter(s): Elizabeth Lions

In today's digital landscape, applying for a job can be like getting lost in an electronic maze. Employed or unemployed, more and more people are looking for their next career opportunity, and too often are finding themselves getting more and more frustrated by the endless cycle of applying online and not hearing back from hiring managers. Unfortunately, qualified candidates can go unnoticed. So, what can you do to make your resume

Several Archived Webinars at

http://www.ieeeusa.org/careers/webinars/

For example,
- Patentability and Infringement: A Practical Guide for Understanding the Basics
- Introduction to Risk Management for Engineering Professionals
- Creative Thinking and Innovation
- Success for Start-ups
- Project Management
- Improving Your Online Presentation

Ask-A-Scientist Night

Greetings!

Whether you are a new addition to our exciting events, or returning to help us for another successful year, we thank you in advance for your generous contributions of time and expertise to our students!

We are planning this year's Ask-A-Scientist Night, which will be held at Rancho San Joaquin Middle School on Wednesday, October17, 2012, from 6:00 until 7:30p.m.

I am writing to ask for your assistance in helping students with their projects at Ask-A-Scientist Night this year. Annually, students in Grades 6 -12 have the opportunity to develop a Science Fair Project. Volunteer scientists advise students on their project ideas, designs, and investigative questions.

Please contact Jocelyn at (949)936-5057 to confirm your participation or e-mail your confirmation to jocelynjazwiec@iusd.org

If you are aware of colleagues of yours, either engineers, scientists or science/engineering professionals who also maybe willing to assist that evening, please have them contact me by either telephone or e-mail so that I can provide them with any details about the program that they may need.This is a unique and fun event for graduate students as well!

Thank you for your willingness to work with the students in Irvine! We look forward to working with you this year! If you have any questions, or I can be of any assistance, please do not hesitate to contact me by telephone or e-mail.

**SAVE THE DATE! The District Science Fair will be held at Woodbridge High School on February 26, 2013.Those interested in judging would participate from 8:00 am to 12:00 pm that day. We will send invitations in January.

IEEE Globecom 2012

The Magic of Global Connectivity

GLOBECOM 2012 is asking for the following volunteer positions to be filled by the local volunteer community:

Student/Volunteer Coordinators: The time commitment for these volunteer positions is the duration of the conference (3rd -7th of December), and two hours on the Sunday afternoon prior to the conference, 2 December, 2012, for training. The daily hours will be: two-hours on Sunday, time to be announced; Monday, 8:00am to 6:00pm; Tuesday through Thursday, 7:30am to 6:00pm; Friday, 8:30am to 6:00pm.

These volunteers would help maintain the process by which the rooms are serviced and monitored; dispatch a room monitor to each session with the appropriate materials; and process the materials returning complete from each session.

In return for their volunteer service, these three or four volunteers will share one full conference registration between them. As long as there are more than two people to fill their posts, each of the three or four people will be able to step away from the facilities operation center in shifts in order to participate in the conference.

Room Monitors: The minimum time commitment for a Room Monitor volunteers is a full day. These volunteers may work as many whole days as they choose, but each volunteer needs to commit to an entire day.

Room Monitors will monitor the rooms for the various symposia, tutorials, workshops, and keynote speeches; take the session processing documentation with them to the room; correspond with the facilities operation center regarding equipment issues and the like; check in the attendees; offer assistance to the speaker, if necessary; and gather the feedback and return it to the facilities operation center.

Amongst the room monitors, there will be opportunities to take breaks and attend the conference. Volunteers will need to coordinate with the Student/Volunteer Coordinators the times they take breaks of any kind, keeping in mind there need to be enough Room Monitors for any given session to meet the needs of the conference.

For more information please contact:
Shelley Grace Jarvie

onference Operations Chair
Anaheim GLOBECOM 2012
s.g.herman@ieee.org
503.473.6372

Pictures taken at Distinguished Lecturer for AESS Professor Hugh Griffiths' presentation on Bistatic Radar on September 12, 2012

▲ *(Left to right) Hugh Griffiths and Kai-Bor Yu*

▲ *(Left to right) Bill Stephens, Kai-Bor Yu, Hugh Griffiths, Padman Nagenthiram, Tim Lee, Ron Ogan*

2012 IEEE Orange County Section — Executive Committee

Section Officers:

Chair
Dr. John Collins
(949) 419-7652
collins.at.ieee.org

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

Treasurer
Mr. Mario Manansala
(714) 906-9025
manansala.at.ieee.org

Secretary
Dr. Shireesh Verma
(949) 258-3243
shireesh.at.gmail.com

Past Chair
Mr. Russell Hunter
(714) 248-5440
RussellH.at.Computer.org

IEEE-OC Technical Society Chapters:

Communications / Signal Processing Joint Society (COMSIG)
Mr. Glenn Fogarty
(714) 701-1031
gfogarty.at.earthlink.net

Components, Packaging and Manu-facturing Technology Society (CPMT)
Mr. Sam Karikalan
(949) 413-0029
samkarikalan.at.ieee.org

Computer Society (OCCS)
Dr. Don V Black
(949) 548-1969
dblack.at.ieee.org

Consultants' Network(OCCN)
Mr. Bob Gauger
(949) 559-9148
rhgauger.at.cox.net

Engineering in Medicine and Biology Society (EMBS)
Dr. Bill Tang
(949) 824-9892
wctang.at.uci.edu

Electromagnetic Compatibility Society (EMC)
Mr. Jeff Klinger
(714) 579-0500
jeff.at.celectronics.com

Microwave Theory Techniques / Elec-tron Devices Joint Society(MTT/ED)
Dr. Héctor J. De Los Santos, IEEE Fellow
(310) 259-0767
hector.delossantos.at.ieee.org

Power & Energy / Industry Applications Society (PES/IAS)
Mr. John Briones
(714) 593-5100
jbriones.atcarollo.com

Product Safety Engineering Society (PSES)
Mr. Scott Smith
(714) 223-3624
Scott.Smith.at.ul.com

Robotics & Automation Society (RAS)
Mr. Kumar Ramajayam
(949) 422 5497
rkumar.at.mathobotix.com

Solid-State Circuits Society (SSCS)
Mr. Farhad Mafie
(949) 851-1714
FarhadMafie.at.Gmail.com

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

Orange County Entrepreneurs Network (OCEN) SIG
Mr. Farhad Mafie
(949) 851-1714
FarhadMafie.at.Gmail.com

Student Chapter Chairs:

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

CSUF Student Chapter
Mr. Mathew Poole
matthewpoole87.at.yahoo.com

EMBS Student Chapter
Wesley Moy

UCI Student Chapter
Mr. Derrick Lo
ieee.ucirvine.at.gmail.com

UCI Students Chapter Faculty Advisor
Dr.Pai Chou
(949) 824-3229
phchou.at.uci.edu

Committee Chairs:

Advisory Board
Dr. Raman M. Unnikrishnan, IEEE Fellow
(657) 278-3362
runnikrishnan.at.exchange.fullerton.edu

Awards/Recognition
Mr. Russell Hunter
(714) 697-5540
RussellH.at.Computer.org

AutoTestCon Liaison
Mr. Phil Wheeler
plwheeler.at.ieee.org

Community Partnerships
Dr. Goran Matijasevic
goran.at.uci.edu

Conference
Mr. Farhad Mafie
(949) 851-1714
FarhadMafie.at.Gmail.com

Corporate Relations
Mr. Abdi Ahmed
(949) 752-6788
abdi.at.netserversystems.net

CTO
Mr. Naveen Reddy
naveen.reddy.at.ieee.org

Engineers-in-Transition (EIT)
Dr. Shireesh Verma
(949) 258-3243
shireesh.at.gmail.com

Government Activities
Vacant

Humanitarian Technology Initiative
Mr. R Sampath
(323) 908-4306
rsampath.at.ieee.org

Listserve/Email Manager
Ms. Christine Ruther
c.ruther.at.ieee.org

Membership Development
Vacant

Newsletter Coordinator
Mr. Hooman Kankashour
(949) 202-7677
hkankashour.at.gmail.com

Newsletter Editor
Dr. Héctor De Los Santos, IEEE Fellow
(949) 682-7702
hector.delossantos.at.ieee.org

OCS History committee
Dr. Stanley White, IEEE Fellow
(949) 498-5519
sawhite.at.aol.com

PACE & Student Activities
Dr. David Cheng
(714) 278-3734
dcheng.at.exchange.fullerton.edu

Programs
Dr. Ciaran O'Donnell
ciaran.at.josephmediatools.com
(949) 200-2111

Project Engineers-2-Educators, OC
Mr. Brian Hagerty
bjhagerty.at.gmail.com
(949) 257-2381

Social Media Chair
Mr. Noah Flaum
nflaum.at.gmail.com
(714) 989-6624

Tutorial Chair
Mr. Raymond Koosha
858-401-9688
raymondkoosha.at.yahoo.com

vTools Coordinator
Ms. Lin Crampton
562-243-4574
lin.crampton.at.gmail.com

Volunteer Coordinator
Vacant

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