

**the
LUNX**

February 2013

Table of Contents

IEEE OCS Volunteers in the last 50 years	2
OCS History Committee Report:	2
Upcoming Events	3
The IEEE Consultants Network Invites You To A February 23 Meeting: What Works for Me .	3
Newsletter Inputs	3
Advanced Packaging Materials Time.	4
15th IEEE International Symposium and Exhibition on Advanced Packaging Materials.	5
Advertising Section in the Newsletter	5
Special Presentation on Latest Mars Rover Results & LA/OC Society Expo	6
Sponsors	6
Events from the International Council of Systems Engineering (INCOSE)	7
Intercollegiate Computer Game Showcase	10
2013 IEEE Broadcast Symposium	11
Executive Officers.	12

The Chair's Corner:

Dear Fellow IEEE Members and Friends -

Many corporations in Orange County have Foundations established specifically to fund the class of STEM events that the OC Section envisions. Since the Orange County high tech industry is vitally interested in **promoting STEM programs for the community** that supports them, each of our upcoming STEM events will be accompanied by a one page executive summary and request for funding. We hope that our IEEE volunteers will see fit to present these proposals to their employers for consideration. Please contact the Section treasurer, Dr Shireesh Verma (shireesh (at) gmail.com) with your contact information and the name of the corporation or foundation that may support our efforts.

I invite you to **join the Section's Financial Committee** to support this worthy effort with your valuable time and experience. Please contact our Treasurer, Dr. Shireesh Verma (shireesh (at) gmail.com), or myself, Dr Don V Black (dblack (at) ieee.org). Our phone numbers are on the Officer's page. Our aforementioned STEM proposals will be posted on this website by the Financial Committee.

We have some exciting events for you next month, so get ready. The March 2nd Awards Dinner, is a triple threat...

Dinner, Strings, & Romance – a special thank you...

Would you enjoy a dinner party serenaded by a string quartet for only \$25? Bring your special someone, maybe as a thank you for supporting your time away from home as an IEEE volunteer. The Awards Banquet is an extraordinary evening for two for only \$50. You can use your iDollars**. Please RSVP via Eventbrite, by clicking here : <http://ocs50.eventbrite.com/>

And A Dinner Talk by Rocket Scientist Dr. Marc Rayman, about our spacecraft now orbiting asteroids...

NASA's Chief Propulsion Engineer and Dawn Mission Chief Scientist and Program Director, entitled **"To Boldly Go – NASA's Dawn Mission to the Asteroid Belt"**. Dr Marc Rayman (who has an asteroid named for him) will give a fascinating and entertaining presentation on the Dawn mission and its use of ion propulsion as well as its two exotic destinations, Ceres and Vesta. Dr Rayman will also share the excitement and profundity of controlling a space-craft in deep space. Dawn was launched in 2007, passed with in 529 km of Mars for gravity assist in 2009, orbited Vesta in 2011-2012 (see the Vesta video) and will orbit Ceres in 2015. Again, you can use your iDollars**. This is same event as above, so again, please RSVP via Eventbrite, by clicking here : <http://ocs50.eventbrite.com/>

The Center for Multidisciplinary Innovation

I wish to bring your attention to the formation of *The Center for Multidisciplinary Innovation Organizing Committee* to research and support innovation in Orange County and further the goals of the IEEE. Please contact Anil Pattni (ochackerz (at) gmail.com) for information or to join the CMI Organizing Committee. I am quite excited about the possibilities this opens for OC inventors and innovators. Lookout Silicon Valley, here we come. Watch this space for The Next Big Thing.

All My Best,
Dr. Don V Black, Chairman
IEEE Orange County Section, CA
(dblack (at) ieee.org)

****Your 2012 iDollars are expiring**

50 iDollars are awarded to our IEEE volunteers. These iDollars can be used to defray the costs of attending IEEE-OC Section events (only). Please contact our Treasurer if you are a Volunteer and have not yet received your 2012 iDollars. The 2012 iDollars can be used for the Awards Banquet, after which, **the 2012 iDollars will expire.**



OCS History Committee Report:

I am seeking any history source of information regarding the early OC IEEE. I had lived and worked in LA County and was active in the LA Section in the IRE Professional Group on Automatic Control, didn't move to OC 'till '65 and wasn't really active in the OC section 'till the early 70's ... so my ignorance runs deep. I really need your help in reconstructing the "early days" of our OC Section.

If I've already impulse you, please respond. If I haven't please take the initiative and shout, "Yes, I remember something ...!" I'll bet you do.

Thanks.

Stan.White@ieee.org

IEEE OCS Volunteers in the last 50 years

As we celebrate the 50th anniversary of IEEE/OCS this 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 lin.crampton.at@gmail.com, 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 lin.crampton.at@gmail.com and she 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.

http://www.ieee.org/about/awards/bios/emberson_recipients.html

<http://ewh.ieee.org/r1/princeton-centraljersey/bios.html>

<http://cpmt.ieee.org/about-cpmt/61-cpmt-member-at-large-bios>

<http://www.usfirst.org/community/volunteers/senior-mentor-bios>

<https://www.csun alumni.com/default.aspx?Page=VolunteerServiceEmeritiBios>

<http://minesonline.net/s/840/NHindex.aspx?sid=840&gid=1&pgid=496>

Contact:

lin.crampton@.at@gmail.com

The IEEE Orange County Upcoming Events

Mar 9, 2013

Feb 23

The IEEE Consultants Network
Invites You To a February 23 Meeting:
What Works For Me

Feb 23, 2013

The IEEE Consultants Network
Invites You To a February 23 Meeting:
What Works For Me

Feb 27-Mar 1, 2013

15th IEEE International Symposium
and Exhibition: Advanced Packaging
Materials

Mar 9, 2013

Special Presentation on Latest Mars
Rover Results & LA/OC Society Expo

April 27, 2013

IEEE Gamesig: Intercollegiate
Computer Game Showcase

Oct 6-11, 2013

European Microwave Week
Nuremberg Convention Center
Nuremberg, Germany

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

The IEEE Consultants Network Invites You To A February 23 Meeting

What Works for Me

We can always learn from hearing how others provide consulting services. This meeting will be especially helpful to those considering consulting and wondering how to get started. The Orange County Consultants Network (OCCN) will again be meeting with the Los Angeles Area Consultants Network (LAACN).

For our February 23rd meeting, we have arranged for three of our consultant members to share with you how they started and operate their consulting practice. This will include how they are organized, what services they offer, and how they get their clients.

Sharing this information and background is the type of networking that will get you new clients. If you would also like to do this now or at a future meeting, please contact Bob Gauger at r.gauger@ieee.org. Also contact Bob Gauger if you would like to volunteer or nominate someone for office in the OCCN. Election will be at the February meeting.

Meeting Details:

Date: Saturday, February 23, 2013

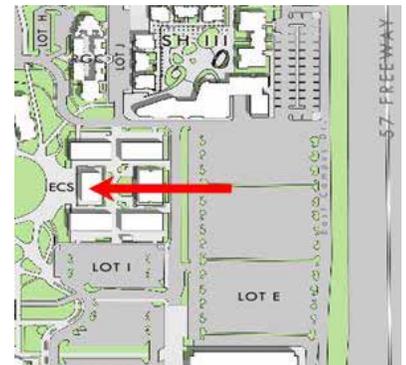
Time: 10:00 AM Introductions & Presentation
12:00 PM Lunch & Networking

Location: Cal State Fullerton on Nutwood at
Route 57 in Fullerton, in the Engineering and
Computer Science (ECS) Building, Room 321.

Parking: Saturday parking is free. Enter
from Nutwood and take Folino Drive north
to Parking Lot E. See maps at [parking.
fullerton.edu.maps](http://parking.fullerton.edu.maps) for more detail.

Future meeting: Saturday February 23rd.

Lunch is free with reservation. Send reservations or questions to r.gauger@ieee.org.



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

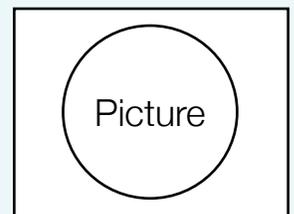
Newsletter content Newsletter content, Newsletter content Newsletter content Newsletter
content Newsletter content, Newsletter content Newsletter content Newsletter content

+++++

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





CALL FOR PAPERS

15th IEEE International Symposium and Exhibition on

Advanced Packaging Materials Time

February 27 to March 1, 2013

Location: Atrium Hotel, Irvine, California, USA

Sponsor: IEEE Components, Packaging and Manufacturing Technology (CPMT) Society

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, thin films, 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 (~ 150 words) via e-mail to clee@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 Dec 31, 2012, whichever is earlier.

Full manuscript submission deadline: January 15, 2013

For more information, please contact:

General Chair: Tom Gregorich, Broadcom, Irvine, California, tomg@broadcom.com Program Chair: Chin C. Lee, University of California, Irvine, California, clee@uci.edu Publicity Chair: Sam Karikalan, Broadcom, Irvine, California, samk@broadcom.com

IEEE CPMT Orange County Chapter presents:

15th IEEE International Symposium and Exhibition on Advanced Packaging Materials

Greetings!

The IEEE CPMT Orange County Chapter will be hosting the 15th IEEE International Symposium and Exhibition on Advanced Packaging Materials. Following are the details:

15th IEEE International Symposium and Exhibition on Advanced Packaging Materials

Dates: February 27 to March 1, 2013

Venue: Atrium Hotel, Irvine, California, USA

Sponsor: IEEE Components, Packaging and Manufacturing Technology (CPMT) Society

The program committee of this symposium solicits abstracts of papers for presentation at the symposium, in the following topical areas:

- Adhesives and Underfills
- Circuit boards, substrates, and dielectrics
- Encapsulants, thin films, and coatings
- Flip-chip interconnect materials and processing
- Manufacturing and Reliability
- Materials and processes for 3-D integration
- Optoelectronic and microwave materials
- Solders and soldering operations

The deadline for submitting the abstracts is December 15, 2012. For more details, please see the attached first call for papers document.

For more details on the symposium, please contact any of the following organizing committee members:

General Chair: Tom Gregorich, Broadcom Corporation,
tomg@broadcom.com

Program Chair: Chin C. Lee, University of California - Irvine,
cclee@uci.edu

Asst. Program Chair: MJ Yim, Broadcom Corporation,
myim@broadcom.com

Publications: Wayne Koh, Pacrim Technologies,
wkoh2003@hotmail.com

Registration & Finances: Melissa Lau, Broadcom Corporation,
melissa@broadcom.com

Local Arrangements: Larry Williams, Ansys Corporation,
larry.williams@ansys.com and Mehdi Saeidi, Qualcomm,
saeidi@ieee.org

Sponsorships: Chris Zumba, Amkor Technology,
chris.zumba@amkor.com

Exhibits: Raj Peddi, Henkel, Raj.Peddi@us.henkel.com

Publicity: Sam Karikalan, Broadcom Corporation,
samk@broadcom.com

Webmaster: Arpit Mittal, Broadcom Corporation,
arpit.mittal@broadcom.com

Best Regards,

Sam Karikalan

Publicity Chair, APM2013 Organizing Committee
Chair, IEEE CPMT OC Chapter
samkarikalan@ieee.org

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@nanomems-research.com

Advertising Rates

\$1000/full page

\$500/half page

\$250/ quarter page

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



Sponsors

We thank the sponsors:



Knobbe Martin Olson Bear
www.knobbe.com
Hosts IEEE OCEN and SSCS
Chapter meetings



Western Digital
www.wdc.com
Sponsors IEEE Orange County
Section Student Design Contest



Netserve Systems
www.netservesystems.net
Hosts IEEE ExCom Meetings



Brandman University
CHAPMAN UNIVERSITY SYSTEM
http://www.brandman.edu
Hosts IEEE Section and Chapter
Meetings



ETAP Facility
www.etap.com



Mathobotix
www.mathobotix.com
Promotes Engineering among
children during IEEE Special Events



**International System-on-Chip
(SoC) Conference**
www.socconference.com
Hosts IEEE OC Section Student
Design Competition and Job Fair

Special Presentation on Latest Mars Rover Results & LA/OC Society Expo

WHEN:

Saturday, March 09, 2013

TIME:

2pm to 5pm+ (Doors Open at 1:30pm!)

WHERE:

Room 111 at Brandman University, 16355 Laguna Canyon Rd, Irvine

COST:

FREE (Parking & Admission!)

MISSION:

“Curiosity” is Latest & Largest Mars Rover (a “Mini-Cooper” on Six Wheels!) carrying Advanced Science Experiments (including a Mars Rock Laser Pulverizer!) & has been exploring Young Martian Crater!

FEATURING:

Lead NASA-JPL Curiosity Mission Engineer (Charles Baker)

Amazing Curiosity Engineering & Science Results & Data To-Date Curiosity Landing Site Scale Model, Hardware & Mock-ups

FREE Bottled Water & Healthy Snacks

Exhibit Tables from Several LA & OC Professional Societies

(Planetary Society, IEEE, INCOSE, AIAA, SWE, IET, AFCEA, OCVitalLink, FSEA)

RSVP ASAP to:

<http://mars-03092013.eventbrite.com>

Sponsored by:

IEEE-OC Aerospace & Electronics Systems Society (AESS) & IEEE-OC Computer Society (OCCS)

Event Questions to:

Fred Lawler, (657) 464-9314, fredlawler@hotmail.com

***NOTE1:

This is also an LA/OC-Area-Wide Science, Technology, Engineering & Math (STEM) Outreach Event, so High School & College Kids Most Welcome!!!

***NOTE2:

This is “Encore” Event to SOLD-OUT Pre-Landing Talk on 06/02/12!

Events from the International Council of Systems Engineering (INCOSE)

On behalf of all the officers of INCOSE-LA, we want to wish you and your families a very Happy New Year! This will be the first INCOSE-LA email newsletter of 2013. The print version of the INCOSE-LA print newsletter will go to an every other month publication cycle. To keep you abreast of upcoming educational and networking events, we will email a monthly meeting reminders email.

Your comments and improvement suggestions welcomed! (your contributions for the next Meeting Reminders is also welcomed)

Note: All times are assumed to be Pacific time

Shirley Tseng

shirleytseng@earthlink.net

T : 714-832-5373 949-300-1899 Cell

INCOSE-LA Meeting Reminders : Jan, 2013

www.incose-la.org

A) INCOSE-LA Events:

- Feb 12 Error Prevention Tues Evening Meeting
- Feb 16 Error Prevention Sat Tutorial
- March 16 INCOSE-LA mini-conference, your participation and Reg

B) Other Education & Networking Events:

IS2012 papers/slides are now available at <http://www.incose.org/ipub/>

- Feb 5 IBM Systems and Software Symposium, Hilton Costa Mesa,
- Feb 8 OC Astronomy Chapman University, Orange
- Feb 9 Financial & Investment Planning, Repeat of the 2012 Oct 6 INCOSE-LA/IEEE seminar, LA, 12-30-2:30
- Feb 17 INCOSE-SD Sunday, 17 February 2013 (President's Day Weekend) INCOSE STEM fund raiser onboard the USS Midway
- March 2 Financial & Investment Planning, Repeat of the 2012 Oct 6 INCOSE-LA/IEEE seminar, Irvine 12-30-2:30
- March 9 IEEE Mars Lander (MSL) Findings and Expo, Brandman University, Irvine
- March 20 Ground System Architecture Workshop/ INCOSE-LA/SPIN Evening meeting
- March 19-22 CSER (Conf on Systems Engineering Research), Atlanta, Ga

- May 4 AIAA-OC 10th annual AIAA Southern California Aerospace Systems and Technology Conference
- May 21-23 Space Tech Expo - free pass to exhibit & Satellite Summit, Long Beach Convention Center
- June 24-27 INCOSE International Symposium, Philadelphia, Pa

A) INCOSE-LA Events:

INCOSE-LA Tues- 12 Feb 2013 -- Error Prevention, Why Smart People Do Dumb Things and How to Avoid the Same Mistakes" Evening Meeting

For the Feb meeting and tutorial opportunity, INCOSE-LA has invited Jay Hopkins from the Error Prevention Institute to travel to share with us effective techniques that we can all use to prevent mistakes/errors.

When: Feb 12, 2013 Tues Evening meeting. 5:30 PM, Free to Members, \$10 non-members

Registration URL for Feb 12th Speaker Meeting:

<http://events.constantcontact.com/register/event?llr=l4ihvgeab&oeidk=a07e6wajx280dee7117>

Webinar dial-in instruction will be available at <http://www.incose-la.org>

When: Feb 16, 2013 Saturday Tutorial 9-4PM, \$25, \$35 non-members

Registration URL for Feb 16th Tutorial:

<http://events.constantcontact.com/register/event?llr=l4ihvgeab&oeidk=a07e6wa95b2469f5b77>

(No Webinar for Tutorials)

INCOSE-LA- Sat, 16 Mar 2013 Mini-conference, Call for participation, Registration & Sponsorship

INCOSE-LA is excited to present our 2013 Mini-conference.

3 Tracks:

Systems Thinking Track

SECamp - un-conference Track

Career Track - Recruiting, Interviewing and Transitioning

Call For Presentations Key dates :

Submittal deadline: Feb 13, 2013

SECamp Voting starts Feb 13, 2013

Prel Program posted March 1, 2013

Your presentations due : March 8, 2013.

When: Saturday March 16, 2013, 9AM-5PM



Where: Loyola Marymount University, University Hall (UNH),
1 LMU Drive, Los Angeles, CA 90045

Info & Register: Low cost \$35 <http://www.incose-la.org/events/conferences/mini-conference-2013.html>

(Breakfast, lunch, snacks included)

Please join us!

B) Other Education & Networking Events:

Feb 5 IBM Systems and Software Symposium, Hilton Costa Mesa

Learn how IBM Rational® is helping to lead the innovation agenda in product and systems development. Industry experts will discuss applying system engineering best practices with measurable benefits, and provide customer examples.

This event will focus on the IBM Rational solution for systems and software engineering – with sessions around each of the core processes of requirements management, architecture and design, collaboration, change and configuration management, reporting and test and quality management. You will learn how IBM Rational solutions and best practices will improve the way you analyze, develop, maintain and manage your current and future products and programs.

When: Feb 5, 2013,

Where: Hilton Costa Mesa, 3050 Bristol St, Costa Mesa, CA

Info & Register: Free https://www-950.ibm.com/events/www/grp/grp004.nsf/v16_agenda?openform&seminar=8Z5URYES&locale=en_US

Hands-on Lab at IBM Costa Mesa will follow after the Symposium

Feb 8 Orange County Astronomy, Chapman University, Orange

Orange County Astronomers is a non-profit organization whose main purpose is to spread knowledge and appreciation of the science of astronomy and has a general meeting held on the second Friday of every month at Chapman University.

When: Feb 8, 2013, 7:30 PM (2nd Friday of every month)

Where: Chapman University, Irvine Lecture Hall (located adjacent to the Hashinger Science Center) is near the south east corner of the campus and the nearest cross street is East Palm Ave and North Center Street.

Info & Register: Free,
<http://www.meetup.com/SoCal-Science-Cafe/>

Feb 9 Financial & Investment Planning, Repeat of the 2012 Oct 6 INCOSe-LA/IEEE seminar, LA, 12:30-2:30PM

INCOSe-LA had a well attended Financial & Investment Planning as part of Personal and Professional Development program on Oct 6 2012. If you missed it and am still am working on attaining your financial independence, please attend this educational Lunch and Learn event. Wells Fargo is repeating the seminar for those in the LAX area.

What: Financial & Investment Planning - Lunch and Learn (repeat of the INCOSe-LA Oct 6 2012 Personal Development Event)

When: Saturday, Feb 9, 2013, 12 AM-2:30PM

Where: 2321 Rosecrans Ave, # 2275, El Segundo, Ca 90245

Cost: Free lunch included

Registration: RSVP to joel.miller@wfadvisors.com or 714-940-3128 (limited to 15)

Agenda: 2013 changes and Moving Forward, Investment planning, Consolidating retirement accounts, working to develop Your Plan.

Feb 17 INCOSe-SD K12 STEM Fundraiser for San Diego region

Hosted by the San Diego Chapter of INCOSe and the INCOSe Foundation Event open to ALL interested in supporting STEM activities for our schools!

Tickets Include: USS Midway Museum admission, Free docent tour, Free flight simulators, Local school robotics demo, Free food and soft drinks, No-host bar, 50-50 raffle to support STEM, Networking with engineering colleagues

When: Feb 17, 2013, Sunday 6:30PM -10 PM

Where: San Diego : USS Midway

Info & Register: Adults \$30 before 2/3,
<http://www.sdincose.org/events/42/2nd-annual-stem-fundraiser-aboard-the-uss-midway-museum/>

Or contact the Midway team at midway@sdincose.org

March 2 Financial & Investment Planning, Repeat of the 2012 Oct 6 INCOSe-LA/IEEE seminar, Irvine, 12:30- 2:30PM

INCOSe-LA had a well attended Financial & Investment Planning as part of Personal and Professional Development program on Oct 6 2012. If you missed it and am still am working on attaining your financial independence, please attend this educational Lunch and Learn event. Wells



Fargo is repeating the seminar for those in the Orange County/Irvine area.

What: Financial & Investment Planning - Lunch and Learn (repeat of the INCOSE-LA Oct 6 2012 Personal Development Event)

When: Saturday, March 2, 2013, 12 AM-2:30PM

Where: 19800 MacArthur Blvd, Irvine, Ca 92612 - 14th Floor

Cost: Free lunch included

Registration: RSVP to joel.miller@wfadvisors.com or 714-940-3128

Agenda: 2013 changes, Nine Mistakes of Retirement savings, Consolidating Retirement Accounts, Saving tools for Retirement, Working to Develop Your Plan.

March 9 IEEE Mars Lander (MSL) Findings and Expo

Learn What Have We Learned about Mars from Curiosity Rover? from JPL engineer Chuck Baker. See Expanded Mars Rover "Museum"

When: Sat March 9, 2013,

Where: Brandman University, Irvine, Ca

Info & Register: Free, more info from fredlawler@hotmail.com

March 20 Ground System Architecture workshop/ INCOSE-LA/SPIN evening meeting

NRO's Continued Journey to the Cloud: Affordability for the Future

NRO CIO, Jill Singer, will discuss NRO's journey to a private cloud computing infrastructure following the path defined in 2011 (Test It, Prove It, Use It, Exploit It). She will highlight recent NRO executive decisions, including an emphasis on how applications development changes will pave an affordability path for the future. Ms. Singer will also highlight NRO's ongoing support for the intelligence Community Information Technology Enterprise (ICITE).

When: Wed March 20, 2013, 6PM

Where: Sheraton Gateway Hotel, 6101 West Century Boulevard, Los Angeles, California 90045, Phone: 310-642-1111

Info & Register: Free, Parking Fee
<http://csse.usc.edu/gsapw/index.html>

March 19-22 Conference on Systems Engineering Research

CSER has become the leading conference and platform for systems engineering that both pushes the boundaries of current research and identifies and responds to new challenges, fostering new research ideas. At

CSER 2013, researchers from around the world will be presenting papers addressing societal challenges and next-generation systems for meeting them. Papers will address topics from evolutionary systems to smart grid and infrastructure, workforce training and even defense and aerospace. It is sure to be one of the most informative systems conferences of the year.

When: March 19-22

Where: Georgia Tech Global Learning Center, GA

Info & Register: \$575 <http://cser13.gatech.edu>

May 4 May 4 AIAA-OC 10th annual AIAA Southern California Aerospace Systems and Technology Conference

The AIAA SoCal ASAT Conference brings together seasoned and new engineers, researchers, leaders, managers, and students and provides a forum to exchange ideas, review achievements and discuss the future direction of aerospace in the area. The Orange County Section's Awards Banquet is held in the evening following the conference and recognizes the accomplishments of some of our members.

When: May 4, 2013

Where:

Info & Register: CFP and info https://info.aiaa.org/Regions/Western/Orange_County/Lists/Announcements/DispForm.aspx?ID=51&Source=https%3A%2F%2Finfo%2Eaiaa%2Eorg%2FRegions%2FWestern%2FOrange%5FCounty%2Fdefault%2Easpx

May 21-23 Space Tech Expo, Long Beach Convention Center

The theme for the 2013 Space Tech Conference is 'The Business Case for Space'. The program is designed to enable the entire space supply chain and ecosystem to determine the relevant business case for them – helping them to identify products and services that will generate revenue and growth for their businesses.

Space Tech Expo 2013 will host the free-to-attend Satellite Summit. The Satellite Summit will run alongside the Space Tech Exhibition and Conference and will take place in the heart of the exhibition hall with three days of interactive discussions, expert-led case studies and networking opportunities, delegates

When: May 21-23

Where: Long Beach Convention Center

Info & Register: Free pass to Exhibit and Satellite Summit
<http://www.spacetecheexpo.com/satellite-summit>

IEEE GAMESIG INTERCOLLEGIATE COMPUTER GAME SHOWCASE

Students from UC Irvine, Cal State Fullerton, Chapman University, Cal Poly Pomona, Westwood College and other local colleges will have only 10 grueling minutes each to shock and awe the judges at our **SECOND ANNUAL INTERCOLLEGIATE COMPUTER GAME SHOWCASE!**

Student teams will compete for recognition and prizes!

Microsoft will award an XBox 360

Western Digital is giving away
25 My Pocket Essential 500GB drives

ALL ATTENDEES will have the opportunity to get some hands-on time with the games created by the finalists and semi-finalists, enjoy refreshments and visit with recruiters

SO, **BRING YOUR RESUME!**

LAST YEAR THE JUDGES INCLUDED THESE INDUSTRY LEADERS

David Perry (Gaikai)
Brian Fargo (inXile)

Matt Findley (inXile)
William Fisher (Quicksilver)

Kevin Martens (Blizzard)
Robert Rose (SpaceX)

2-4 p.m.

Finalists pitch & demo their games, awards presentation

4-6 p.m.

Reception, job fair, play the finalists' & semi-finalists' games



Join the FREE event & cheer for your favorite team!

DUE TO LIMITED SEATING, REGISTRATION IS REQUIRED!

Register at <http://gamesig.eventbrite.com>

More information at <http://gamesig.org/showcase>

**SATURDAY
APRIL 27, 2013
DONALD BREN HALL
U.C. IRVINE**

UCIRVINE



2013



IEEE Broadcast Symposium

9-11 October 2013

San Diego, CA USA

Call for Papers

Final deadline for abstracts:
15 April 2013



Please mark your calendar to attend the **2013 IEEE Broadcast Symposium** to be held in San Diego, CA on 9-11 October 2013 (exact venue TBA). This Symposium is produced by the IEEE Broadcast Technology Society.

The Symposium Committee seeks timely and relevant technical papers relating to all aspects of broadcast technology, in particular on the following topics (**new topics for 2013 shown in RED**):

- Digital radio and television systems: terrestrial, cable, satellite, Internet, wireless
- Mobile DTV systems (all aspects)
- Cellular broadcast technologies
- Streaming delivery of broadcast content
- Non-real time (NRT) broadcast services
- "Second screen" technology and services
- Transmission, propagation, reception, re-distribution of broadcast signals
- AM, FM, and TV transmitter and antenna systems
- Broadcast tests and measurements including: co-site interference practices; prediction, measurements and mitigation
- Cable, satellite interconnect w/ terrestrial broadcast
- Transport stream issues
- Translator issues
- Broadcast audio including: CALM act
- Regulatory issues
- Ancillary services
- Unlicensed device operation in TV white spaces
- Next-gen broadcast platforms including: ATSC 3.0, FoBTV
- Reception issues for digital TV & radio
- ATSC & other broadcast standards developments
- Broadcast spectrum issues – re-packing, sharing
- Broadcast studio design & construction including: IT requirements for broadcast, redundancy & survivability

Call for Tutorials: proposals for half-day tutorials are also solicited based on the topics listed above.

Call for Panels: proposals are solicited for panels on technology, application, business, and policy-related issues and opportunities for the broadcasting industry.

Prospective presenters are invited to submit extended abstracts of 500-1000 words by e-mail to bts@ieee.org. Please indicate that the abstract is submitted to the *2013 IEEE Broadcast Symposium*, and include the corresponding author's full name and contact information including: affiliation, address, e-mail, and phone number. **Final deadline for abstracts is 15 April 2013.**

For more information about the IEEE Broadcast Technology Society, visit our web site: bts.ieee.org.

2013 IEEE Orange County Section — Executive Committee

Section Officers:

Chair

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

Vice-Chair

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

Treasurer

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

Secretary

Mr. Noah Flaum
(714) 989-6624
nflaum.at.ieee.org

Past Chair

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

IEEE-OC Technical Society Chapters:

AESS

Dmitry Altshuller
(781) 249-9898
altshuller.at.ieee.org

Communications / Signal Processing Joint Society (COMSIG)

Mr. Glenn Fogarty
(714) 701-1031
gfogarty.at.earthlink.net

Components, Packaging and Manufacturing Technology Society (CPMT)

Mr. Sam Karikalan
(949) 413-0029
samkarikalan.at.ieee.org

Computer Society (OCCS)

Dr. Don V Black – dblack.at.ieee.org
Frank Austin Nothaft – fnothaft.at.ieee.org
(949) 548-1969

Consultants' Network(OCCN)

Mr. Bob Gauger
(949) 559-9148
rhgauger.at.cox.net

Engineering in Medicine and Biology Society (EMBS)

Mr. Satya N Mishra
(970) 372 6308
snmishra.at.ieee.org

Electromagnetic Compatibility Society (EMC)

Ms. Alee Langford
(503) 943-3122
alangford.at.nwemc.com

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

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

Power and Engineering Society / 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

Irvin Huang
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

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

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

Humanitarian Technology Initiative

Vacant

Listserve/Email Manager

Ms. Christine Ruther
c.ruther.at.ieee.org

Membership Development

Vacant

Newsletter Coordinator

Vacant

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
sawwhite.at.aol.com

PACE & Student Activities

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

Programs

Mr. Fred Lawler
fredlawler.at.hotmail.com
(657) 464-9314

Project Engineers-2-Educators, OC

Mr. Brian Hagerty
bjhagerty.at.gmail.com
(949) 257-2381

Social Media Chair

Mr. Noah Flaum
(714) 989-6624
nflaum.at.ieee.org

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

Mr. Tommy Thompson
(916) 458-1626
tthompson.at.thecarlab.com

Webmaster

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

Website Coordinator

Mr. Noah Flaum
(714) 989-6624
nflaum.at.ieee.org