

the
LYNX

May 2011

Table of Contents

| | |
|---|----|
| Member Discounts | 2 |
| Take advantage of Half Year membership Rates | 2 |
| Welcome New IEEE members | 2 |
| 2011 IEEE Orange County Section Awards Nomination | 3 |
| Upcoming Events | 4 |
| IEEE Electron Devices Society and the IEEE Reliability Society to Sponsor Reliability Physics Conference. | 4 |
| Newsletter Inputs | 4 |
| Job Openings. | 5 |
| Advertising Section. | 5 |
| OCCS News. | 6 |
| About the IEEE | 6 |
| Performance Evaluation of Wireless Networks. | 7 |
| 2011 IEEE Symposium on Product Compliance Engineering. | 8 |
| The Third IEEE International Games Innovation Conference | 9 |
| 2011 IEEE Radio Frequency Integrated Circuits Conference. | 11 |
| 2011 OC Section: Executive Officers. | 12 |

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

With thanks to our sponsors:



The Chair's Corner:

by **Alvin Joseph**

Greetings and hope you are enjoying the warmer weather!

The IEEE has played a key role in technology innovation in areas like Robotics. It is interesting to see such technology applied to real life scenarios. The IEEE Spectrum last month reported on two PackBot ground robots from iRobot having entered Unit 1 and Unit 3 of the crippled Fukushima nuclear power plant in Japan and performed readings of temperature, oxygen levels, and radioactivity. While this is encouraging, the fact is that we did not have advanced robots capable of performing major repairs and clean-up work. Just goes on to show the opportunities out there for engineers like us.

Last month I mentioned about IEEE reaching the 400,000 member mark. Four hundred random members were selected to receive one of 2010 limited edition coins minted in celebration of reaching 400,000 IEEE members. The coins are numbered for authenticity, and feature the theme "Soaring to New Heights" on one side, and the IEEE mission statement and master brand on the other. Due to the limited run of these coins, they will not be made available to the general public. Congratulations to the following members from the Orange County Section who were selected!

- Daniel J Honeyfield
- Marianne E Louie
- Paul W Donahue

Please note that the award nomination deadlines have been extended - I strongly encourage you to nominate someone deserving you know for the the Outstanding Engineer Award or the Outstanding Leadership and Professional Service Award. Details are on the newsletter and website. Here is the May Lynx OC section newsletter with updates on IEEE Orange County section activities and upcoming event information.

As always, feel free to drop me a line at alvin@ieee.org. I'd love to hear from you on how the IEEE Orange County section can serve you better.

Alvin Joseph

Chairman, IEEE Orange County Section

www.ieee.org/ocs

Member Discounts

As you well know, IEEE members can take advantage of a myriad of discount opportunities, either in the form of core IEEE products OR from IEEE sponsored programs which are offered at reduced rates as a benefit of membership. However, member surveys indicate that awareness of IEEE discount programs is low, such that 50% of members do not know about them or where to find them.

To address this issue, a decision was made to present information about all these programs in a new centralized location, which is now the "IEEE Member Discounts" Web page. This notice also serves to announce that the brand "Financial Advantage Program" has been retired.

Please take a look at the new IEEE Member Discounts page: <http://www.ieee.org/go/discounts>.

The "IEEE product discounts" section is listed first and we are still working on compiling all the entries to appear here. The "IEEE sponsored discounts" section lists programs in the following categories: Insurance, Travel, Technology and Home/Office Discounts. Programs that are available globally are clearly marked in this listing. We have also added an FAQ page that seeks to clarify the geographic availability of the sponsored programs and how they are developed and vetted.



Take advantage of Half Year membership Rates

If you have not renewed your membership or you are a not yet a member, please consider taking advantage of IEEE's half year membership rates. New applications received between 1 March and 15 August 2011 will automatically be processed for half-year membership ending 31 December 2011 at the half-year dues rates. Also check out special circumstance options like minimum income, retired and unemployed that offer discounted membership rates. More details at: www.ieee.org/membership_services/membership/join/join_dues.html

Welcome New IEEE members in Orange County !!

We'd like to extend a warm welcome to the following new members:

| Member | Grade | Member | Member |
|----------------------------|-------------------------|----------------------------|----------------|
| Jessica Cera | Associate Member | Erikson Christopher Squier | Member |
| Govind Kannan | Associate Member | Robert Sung | Member |
| mauricio a peres | Associate Member | Shiju Wang | Member |
| Laura Prante | Associate Member | Liang Li Wu | Member |
| Jason Takamatsu | Associate Member | Weifeng Yao | Member |
| Kai-Hung Chi | Graduate Student Member | William Yocom | Member |
| Ali Fakoorian | Graduate Student Member | German Roberto Arias | Student Member |
| Glourise Marie Haya | Graduate Student Member | Erfan BabazadehAsbagh | Student Member |
| Cuong C Le | Graduate Student Member | Gilberto Jr. Barrios | Student Member |
| Pouria Pirzadeh | Graduate Student Member | Jason Cabra | Student Member |
| Kyle Strasser | Graduate Student Member | Shawn Young Chen | Student Member |
| Spiro Nicolas Azkoul | Member | Ben Dong | Student Member |
| MEHMET BEYARSLAN | Member | Noah Flaum | Student Member |
| Steven Alan Canning | Member | Evan Ross Harriman | Student Member |
| Shoufang Chen | Member | Emmanuel Hernandez | Student Member |
| Bradley Denney | Member | Zack Hsi | Student Member |
| Moshe Domb | Member | Peter Hu | Student Member |
| DARIUSZ DUSBERGER | Member | Irene Huang | Student Member |
| Scott Blair Gale | Member | Patrick Kane | Student Member |
| Robert Gordon | Member | Kevin Kim | Student Member |
| RADHA GUHA | Member | Young Kim | Student Member |
| Raghunath N Gunti | Member | Alexander Koster | Student Member |
| Richard S Jackson | Member | Bogdan Lint | Student Member |
| Hussein Kalakech | Member | Alvin Makabali | Student Member |
| Daniel Leontiev | Member | Eric Matsui | Student Member |
| Janet McCrary | Member | Wesley Scott McCormack | Student Member |
| Ken melgoza | Member | Matthew McDannel | Student Member |
| Neli Montalvo | Member | Lennon Minh Nguyen | Student Member |
| John Omahen | Member | Eric Daniel Noel | Student Member |
| Ryan R. Owens | Member | Rudy Ochoa | Student Member |
| Paul Rea | Member | Calvin Phung | Student Member |
| Shlomi Itshak Regev | Member | Christos Siapkaras | Student Member |
| Jesse Daniel Rorabaugh | Member | Steven Song | Student Member |
| Eddy Franz Rueda | Member | Mario A Tarabbia | Student Member |
| Christopher James Spinelli | Member | Eric Tzeng | Student Member |
| | | Ian Evan Verstuyft | Student Member |
| | | Daryl Wang | Student Member |

2011 IEEE Orange County Section Awards Nomination

The IEEE Orange County Section will give a total of two awards this year recognizing the outstanding contributions and accomplishments of IEEE members. These awards winners will also be nominated for Area level or further Region level awards. This package provides an overview of these Orange County Section awards, along with nomination form. The Orange County Section awards of Orange County Section are as follows:

1. Outstanding Engineer Award:

Award is designed to recognize IEEE members of Orange County Section who through their technical abilities have made outstanding contributions to their profession. It recognizes the development of new technical concepts, significant patents, development of new devices, development of applications, new designs, and significant cost reductions using known techniques.

2. Outstanding Leadership and Professional Service Award:

Award is designed to recognize IEEE members of Orange County Section who through their professional and technical abilities have made outstanding and noteworthy contributions to the Institute, their communities, fellow professionals and fellow man. The award is not designed to recognize a single achievement, but rather collective contributions complemented by singular works exemplifying the objectives and attributes of IEEE.

Awards Procedure Guidelines:

Process Overview

The nominations for the awards are submitted directly to Awards Chair. The Awards Chair compiles all the submissions and forward to the Awards Committee to review the nominations and to select the winners.

Awards Committee

The awards committee consists of distinguished scholars and IEEE Fellows

Awards Schedule

Nomination Submittal Deadline: May 12

Awards Presentation

The Orange County Section Awards are given to the winners at an Awards ceremony during an Annual Orange County Section Luncheon/Dinner. These Orange County Section Awards can also be given at our ExCom meetings in specific cases with special prior arrangements.

Important Notes on Nominations

Nomination Form is to be completed by the nominator (self nominations are also encouraged) and submitted directly to the Awards Chair. Additional long resume or informational document may be submitted at the discretion of the nominator. Supporting information on the nominee is a key ingredient in a successful nomination process. While a fully completed Award nomination form is the base requirement to submit your nominee, the inclusion of summary information (along with the form) allows the section to provide greater depth and detail regarding the nature of their nominee's achievements and contributions. In the nomination form you will find specific mention of supporting items that can be included in your nomination submittal. Contact Information of Awards and Advancement Chairs:

For any questions regarding awards, please contact the Awards Chair or the Orange County Section Awards Coordinator:

Orange County Section Awards Chair
Mr. Russel Hunter
e-Mail: russellk.hunter.at@gmail.com

Orange County Section Awards Coordinator
Dr. John Collins
e-Mail: collins.at.ieee.org

Please see website for details:

http://ewh.ieee.org/r6/ocs/index.php?option=com_content&task=view&id=185&Itemid=109

The IEEE Orange County Computer Society Upcoming Events

May 13: BME distinguished semi- nars: Artificial Retina

Mark S. Humayun, M.D., Ph.D.,
University of Southern California
3:30 - 4:30 p.m.,
Natural Sciences II 320

May 23: Searching for ET: Are we looking in the right place?

Gregory Benford, PhD, Professor of
Physics, UCI; Science Fiction Author

May 28: IEEE's Orange County Solid-State Circuits Society (SSCS) Present: Performance Evaluation of Wireless Networks?

Dr. Ali Movaghar, Sharif University of
Technology, Tehran, Iran
Visiting Professor at University of
California, Irvine
Knobbe Martens
2040 Main St., Irvine, CA

June 27

PC Security. RFID Security.

Cryptography, Networks, Public
Keys, Privacy, Risk Analysis, Viruses, Worms,
Torjans, Trapdoors.

Prof. Burkhard Englert, PhD, Computer
Engineering Computer Science,
CSU Long Beach

Nov 3

IEEE Student Design Contest

Radisson Hotel Newport Beach, CA
www.socconference.com/students.htm

Nov 3

IEEE Job Fair

Nov 2-4

The Third IEEE International Games Innovation Conference

One University Drive, Chapman University,
Orange, CA

*If you'd like your event to be
included, please email details to
me@sharonforsberg.com*

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

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

For further information, please contact,

David Barber

PO Box 2097

Banner Elk NC 28604 USA

Ph : +1 828 898 7001

Fax: +1 828 898 6379

dbarbsta@aol.com

or Conference Services Dept., at IEEE Operations Center at

+1 732 562 3878

To IEEE Orange County Chapters:

Newsletter Inputs

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

+++++

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 content Newsletter conten

+++++

Thank you,

Hector J. De Los Santos

IEEE Orange County Section, Newsletter Editor

Job Openings in OC

Optical Engineer

Job Summary:

Company: General Monitors

Location: Lake Forest, CA

Industries: Safety Instrumentation, Oil & Gas, Energy, Others

Job Type: Full Time

Years of Experience: 5+ years experience developing optical systems and products

Education Level: M.S. degree in Optical Science, Electro-optics, Engineering or Physics (Ph.D. preferred)

Overall Responsibility:

Lead the design, development, and testing of optical gas and flame detection systems, including imaging systems.

Requirements:

- Experience with optical modeling programs such as Zemax, TracePro or equivalent
- Experience with infrared imaging preferred – optics, FPAs, cameras, and systems
- Excellent understanding of and strong interests in optical, electro-optical, and imaging technology
- Strong communication (written and verbal) and analytical skills
- Adept at multi-tasking and balancing challenging design requirements

If you meet the above requirements, please send your resume depicting your qualifications to zainam@generalmonitors.com

We respect, value and welcome diversity in our workforce. General Monitors is proud to be an Equal Employment Opportunity/Affirmative Action Employer (EEO/AA) M/F/D/V.

Advertising Section in the Newsletter

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

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

Senior Electrical Engineer

Job Summary:

Company: General Monitors

Location: Lake Forest, CA

Industries: Safety Instrumentation, Oil & Gas, Energy, Others

Job Type: Full Time

Years of Experience: 10+ years as lead design engineer – analog, digital, and embedded systems

Education Level: BS EE, minimum

Overall Responsibility:

Lead the design, development, and testing of microcontroller-based fire and gas detection systems for the global leader in industrial safety.

Requirements:

- Experience with one or more of the following microcontrollers: Microchip dsPIC30F, TI TMS320F, TI MSP430, Freescale 68HC11
- Experience with one or more of the following communication protocols: 4-20mA analog output, Modbus, HART
- Strong communication (written and verbal) and analytical skills
- Hands-on design engineer
- Adept at working with cross-functional teams

If you meet the above requirements, please send your resume depicting your qualifications to zainam@generalmonitors.com

We respect, value and welcome diversity in our workforce. General Monitors is proud to be an Equal Employment Opportunity/Affirmative Action Employer (EEO/AA) M/F/D/V.

++++
If you or your company has a job to advertise, please send an email to shireesh@ieee.org with a concise description of the job and contact information. Depending on space availability, we will attempt to post the job opening in the IEEE Section newsletter and website.

++++

Orange County Computer Society News

Last month the Computer and Communications chapters once again joined together, this time for a program on LTE - Long Term Evolution, the next generation technology-of-choice for mobile telecom companies coming from both the GSM and CDMA camps. The well-attended program, presented by OCCS Chair Dwight Borses as part of a series of his occasional programs on wireless technology over the years, expounded upon the fact that this next generation service is available today in our local market.

About the IEEE

The Institute of Electrical & Electronics Engineers [IEEE] is the leading organization for the advancement of technology. The IEEE is a 501(c)(3) non-profit, technical professional association of more than 390,000 individual members in over 175 countries. The IEEE Orange County Section serves over 3,700 members in Orange County in addition to the local community.

IEEE Orange County Section
P.O.Box 15264
Irvine, CA 92623-5264

Job Openings in OC, Con't.

CALIT2

California Institute for Telecommunications and Information Technology

www.calit2.net

A UCSD/UCI PARTNERSHIP

Energy Efficiency in Appliances and Economic Devices

Job Summary:

Position: Project Scientist, Step III

Salary: \$83,400/yr

Closing Date: Open until position is filled.

The California Institute for Telecommunications and Information Technology is beginning a program of research on energy efficiency in appliances and economic devices. This position will be the first senior technical support for the effort, providing assistance to researchers on several different projects.

Requirements – Applicants must have a Ph.D. in engineering, environmental sciences, or the physical sciences. Experience with research and development related to energy efficiency, public policy, regulatory rulemaking, or marketing is desired.

Application Procedure – To apply, please send a cover letter, curriculum vitae and the names and addresses of three references (please do not solicit letters) to the address listed below:

Personnel Coordinator

RE: RE: CEC Project Scientist, Step III

CALIT2

4006 Calit2 Building

Irvine, CA 92697-2800

This is a one-year appointment. Renewal for subsequent years is dependent on continuation of external funding.

You may visit the CALIT2 website at: www.calit2.uci.edu

The University of California, Irvine is an equal opportunity employer committed to excellence through diversity.



Solid-State Circuits Society

SSCS

**IEEE's Orange County Solid-State Circuits Society (SSCS)
Present:**

Performance Evaluation of Wireless Networks

**By Dr. Ali Movaghar, Sharif University of Technology, Tehran, Iran.
Visiting Professor at University of California, Irvine.**

| | | |
|--------------|--|-------------------------|
| Day: | Saturday, May 28, 2011 | |
| Time: | Registration & Networking | 10:00 a.m. – 10:30 a.m. |
| | Presentation (Dr. Movaghar) | 10:30 a.m. – 11:30 a.m. |
| | Q&A and Networking | 11:30 a.m. – 11:45 a.m. |
| Fee: | Free for all the IEEE members, students, engineers in transition, technologists, as well as those who are exploring to join IEEE & SSCS in the future. | |

Space is limited, please RSVP: IEEE.OC.SSCS.RSVP@Gmail.com

Send questions to Farhad Mafie, IEEE-OC SSCS Chairman: FarhadMafie@Gmail.com

Abstract: In this talk, we will present some basic concepts, measures and methods that can be used in the performance and dependability evaluation of computer and communication systems. We will then identify some salient features prevalent in the wireless networking which can have some important implications on the manners in which such networks are evaluated. Finally, some simple examples using some analytical techniques for evaluating the performance of wireless networks will be discussed.

Dr. Ali Movaghar is currently a professor at the department of Computer Engineering in Sharif University of Technology in Tehran, Iran where he joined first as an assistant professor in 1994. He received his B.S. in Electrical Engineering from the University of Tehran in 1977 and both M.S. and Ph.D. in Computer, Information and Control Engineering from the University of Michigan at Ann Arbor in 1979 and 1985, respectively. He visited INRIA in France in 1984, worked at AT&T Bell Laboratories during 1985-1986, and taught at the University of Michigan during 1987-1989. His main areas of interest are performance and dependability modeling, verification and validation, wireless and mobile networks, and distributed real-time systems. He is also a Senior Member of both the Institute of Electrical and Electronics Engineers (IEEE) and the Association for Computing Machinery (ACM).



Address & Information: Knobbe Martens, 2040 Main St., Irvine, CA. (Free parking on Saturday)

SPECIAL THANKS TO



INTELLECTUAL PROPERTY LAW

**FOR SPONSORING & HOSTING
THIS EVENT!**

Knobbe Martens Building, 2040 Main St., Irvine 92614, Knobbe Conference Center on the second floor. For Directions and Maps see the KMOB web site at http://www.kmob.com/offices_irvine_map.htm#map. The building entrance and parking structure are on the back side of the building. Follow signs to the 2040 entrance (there is no parking on Main St.). For GPS or Google Map junkies, the GPS coordinates are 33.682383, -117.852565.



2011 IEEE Symposium on Product Compliance Engineering

Sponsored by the IEEE Product Safety Engineering Society

October 10 - October 12, 2011
San Diego, California, USA
www.psessymposium.org

Call for Papers, Workshops, and Tutorials

Technical Program Co-Chairs

Gary Tornquist, garytor@microsoft.com
Bob Griffin, bobgriff@us.ibm.com

Editorial Board Chair

Murlin Marks, murlinm@ieee.org

Conference Management/Registration

Chris Dyer,
cdyer@conferencecatalysts.com

General Chair

Bansi Patel, Bansi.Patel@IEEE.org

General Co-Chair

Anna Klostermann,
aklostermann@case4n6.com

The IEEE Product Safety Engineering Society seeks original, unpublished papers and tutorials on all aspects of product safety and compliance engineering including, but not limited to:

- Product Specific:** Consumer, medical, computer (IT), test and measurement, power supplies, telecommunication, industrial control, electric tools, home appliances, cellular and wireless, etc.
- Hazard Specific:** Electrical, mechanical, fire, thermal, chemical, optical, software, functional, reliability, risk assessment, etc.
- EMC / RF:** Electromagnetic emissions, electromagnetic immunity, regulatory, Introduction to EMC/RF for the safety engineer and compliance engineer.
- Components:** Grounding, insulation, opto-couplers, cables, capacitors, connectors, current-limiters, transformers, current-limiters, fuses, lasers, ferrites, environmental, electromagnetic suppression & protection, surge protectors, printed wiring boards, etc.
- Certification:** Electromagnetic emissions & immunity, Environmental, Product safety, Processes, safety testing, regulatory, product liability etc.
- Standards Activities:** Development, status, interpretations, country specific requirements, Laboratory Accreditation, etc.
- Research:** Body physiological responses to various hazardous energy sources, unique safeguard schemes, electrically-caused fire, forensic methods etc.
- Environmental:** RoHS, WEEE, EuP (Energy-using Products), Energy Star, Packaging Directives, REACH (Chemical), CeC, etc.
- Demonstration Papers:** Demonstrations of product safety testing techniques including mechanical, electrical, fire, etc.

Author's Schedule **All dates require that the associated documents be loaded into EDAS by the due date**

| | |
|-------------------------------------|-------------------|
| Abstract submission | May 15, 2011 |
| Notification of Abstract Acceptance | June 1, 2011 |
| Draft formal paper / presentation | July 15, 2011 |
| Formal Final Paper | August 15, 2011 |
| All Final Papers and Presentations | September 1, 2011 |

Prospective authors should submit e-papers using the on-line EDAS submission system.

Please go to the Author's Kit page of the PSES web for comprehensive submission instructions including paper templates on the author tab at: www.psessymposium.org





International Games Innovation Conference November 2-4, 2011

Chapman University - One University Drive - Orange, California 92866 USA (Near Disneyland)

Keynote Speakers

**Award
Banquet**



Craig Hampel
Rambus

**Conference
Opening**



Trip Hawkins
*Founder, Electronic Arts, 3DO
and Digital Chocolate*

**Reception
Banquet**



Robert J. Mical
SONY

2011 IGIC Organizing Committee



Industry Chair
Stephen Dukes
President CE Society



Executive Chair
Narisa Chu
CWLab International



General Chair
Harold Hughes
Rambus Inc.



Program Chair
Gary Yip
Rambus Inc.



Publicity Chair
Tom Coughlin
VP CE Society

The IEEE Consumer Electronics Society is pleased to announce the Third International Games Innovation Conference (IGIC 2011). Continuing the tradition that began in London 2009, and extended to Hong Kong in 2010, this conference is a platform for disseminating peer-reviewed papers, state-of-the-art demonstrations and special sessions that describe innovative research and development of hardware and software game technologies. Participation from industry, academia and government are welcome.

For more information, go to <http://ice-gic.ieee-cesoc.org>, or
contact conference coordinator, Charlotte Kobert ckobert@ieee.org





International Games Innovation Conference November 2-4, 2011

Keynote Speakers

Trip Hawkins

Founder Electronic Arts,
3DO, Digital Chocolate

Robert Mical

SONY

Craig Hampel

Rambus

Submission Deadlines

Extended Abstract

May 31, 2011

Acceptance Notice

July 15, 2011

Final Two-page Paper

August 31, 2011

Proposals for Special
Sessions

September 1, 2011

**For submission
Instructions, go to**

<http://ice-gic.ieee-cesoc.org>



Rambus



dmv digitalmedwire

Call for Papers



Papers reporting innovations and new developments in all areas related to games are invited, including but not limited to those listed below:

Multi-player Games

Cloud based games
Networked games
Location awareness
Infrastructure
Performance
Latency
Architecture
Security

Platforms

Mobile/handheld
Computers
Consoles
Portable consoles
Cloud servers
Network servers
System architecture
Network architecture

Development and Production

Design of games
Tools
Interdependence of
Software & Hardware
Graphics
Animation
Content generation
Artificial intelligence
Cinematography

Interfaces

Interoperability
Wearable devices
Biometrics
3D effects
Haptics
Gaze
Proximity
Audio
Gesture

Beyond Entertainment

Health/exercise
Education
Training
Business
Advertising
Social Change
Usability beyond games

Technology

Multi-core processors
Mobile SoC
Memory
3D Display
3D Graphics
Augmented reality
Virtual reality
Game mechanics
Storage
Vision/imaging
Wireless/RF
MEMS/Nano devices

User Experience

Playing experience
Behavioral impact
Social impact
Player modeling
Learning
Cultural impact
Lessons from games

Industry Track: This conference provides an opportunity to submit two-page papers pointing out design and technology challenges that should be addressed in the short-to-medium term. These papers will be considered for presentation with less focus on full-paper publication.

Special Panels, Workshops and Tutorials: IGIC 2011 is planning interactive sessions (120 minutes each) in the forms of panel discussions, workshops and tutorials focusing on the latest development in game technology, including hardware, software, content development and demonstrations. Topics of discussions on future issues, especially related to innovation in game technology, are welcome. Please submit any proposals by September 1 to the Technical Program Chair, Gary Yip (gyip.igic2011@gmail.com).



RFIC 2011



www.rfic2011.org

2011 IEEE Radio Frequency Integrated Circuits Symposium

Baltimore Convention Center
Baltimore, MD, USA
Sunday, June 5th, 2011 – Tuesday, June 7th, 2011

Topics related to original work in RFIC design, system engineering, system simulation, design methodology, RFIC circuits, fabrication, testing and packaging to support RF applications in areas such as: Cellular System ICs, Wireless Data System ICs, Wideband System ICs, Silicon mm-Wave ICs, Small-Signal Circuits, Large-Signal Circuits, Frequency Generation Circuits, RFIC Device Technologies, RFIC Testing, RFIC Modeling and CAD.



Image Courtesy of Ed Niehenke

Plenary Speakers

Dr. Samuel Sheng, Telegent Systems

“RF Coexistence – Challenges and Opportunities.”

Mr. Ron Ruebusch, Avago Technologies

“3G to 4G Transition – Challenges and Opportunities.”

Technical papers will be presented during oral sessions throughout Monday and Tuesday. There will be a total of 130 papers presented in 23 technical focused sessions. The technical program will conclude with the Interactive Forum session on Tuesday afternoon, which will feature 31 poster papers and the chance to speak directly with authors regarding their work.

Workshops (Sunday):

Introduction to GaN MMIC Design

Advancements and Challenges toward Radio-in-Package and Radio-on-Chip

Imaging at mm-Wave and Beyond

RF Bio-Medical Electronics and Sensors

Re-configurability Requirements for Multi-Standard Low-Power Operation

Advancements in Linear Power Amplifiers for Cellular Infrastructure

EMI Compliant Product Design Practices: Interference Analysis, Floor Planning, Grounding Strategies, Chip-Package-Board Co-Design

New Architectures for Digitized Receivers

Design for Manufacturability and Self-Testability of RFICs

Systems & Circuits for Sensing, Co-Existence, and Interference Mitigation in SDR and Cognitive Radios

Efficiency Enhancement Techniques of Power Amplifiers and Transmitters for Mobile Applications

Panels (Monday & Tuesday):

Software Defined Radios - Facts and Fantasies

What is the limit of multi-radio integration ... or rather, is it 'disintegration'?

Short Courses (sponsored by IMS):

Techniques and Realizations of Microwave and RF Filters

Nonlinear Dynamics and Stability Analysis/Design of Microwave Circuits

General Chairman:

David Ngo
RFMD, Inc.
Chandler, AZ, USA
Phone: 480-763-2108
E-mail: dngo@rfmd.com

Technical Program Chairman:

Albert Jerng
Ralink Technology
Jhubei, Taiwan
Phone: +886-3-560-9868 x1713
E-mail: ajerng@gmail.com

Technical Program Co-Chairman:

Chris Rudell
University of Washington
Seattle, WA, USA
Phone: 206-685-1600
E-mail: jcrudell@u.washington.edu

2011 IEEE Orange County Section — Executive Committee

Section Officers:

Chair

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

Vice-Chair

John Collins
(949) 651-8650
collins.at.ieee.org

Treasurer

Michael Perlongo
(949) 484-9484
Perlongo.at.ieee.org

Secretary

Gary Stephens
(714) 567-2557
gary.stephens.at.aecom.com

Past Chair

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

IEEE-OC Technical Society Chapters:

Communications / Signal Processing Joint Society (COMSIG)

Naveen Reddy
naveen.reddy.at.ieee.org

Computer Society (OCCS)

Dwight Borse
borses.d.at.gmail.com

Consultants' Network(OCCN)

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

Engineering in Medicine and Biology Society (EMBS)

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

Electromagnetic Compatibility Society (EMC)

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

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

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

Power Engineering / Industry Applications Society (PES/IAS)

Carlo Groag
(714) 593-5165
cgroag.at.carollo.com

Product Safety Engineering Society (PSES)

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

Robotics & Automation Society (RAS)

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

Solid-State Circuits Society (SSCS) Chapter

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

GameSIG

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

SIG Entrepreneurs Network

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

Bill Craig
ieee.at.fullerton.edu

EMBS Student Chapter

Wesley Moy

UCI Student Chapter

Derrick Lo
ieee.ucirvine.at.gmail.com

Committee Chairs:

Awards/Recognition

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

AutoTestCon Liaison

Phil Wheeler
plwheeler.at.ieee.org

Community Partnerships

Dr. Goran Matijasevic
goran.at.uci.edu

Conference Chair

Farhad Mafie
949-851-1714
FarhadMafie.at.Gmail.com

Advisory Board Chair

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

Corporate Relations

Abdi Ahmed
(949) 752-6788
abdi.at.netserverystems.net

CTO

Naveen Reddy
naveen.reddy.at.ieee.org

Engineers-in-Transition (EIT)

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

Government Activities

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

Listserve/Email Manager

Christine Ruther
c.ruther.at.ieee.org

Membership Development

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

Newsletter Editor

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

PACE & Student Activities Chair

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

Programs Chair

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

Project Engineers-2-Educators, OC Chair

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

Volunteer Coordinator Chair

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

Webmaster

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