IEEE

the LYNX

June 2011

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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 looking forward to a fabulous summer!

While helping my son with his science fair project building a robot, an article in the IEEE spectrum caught my attention. It was about a robot called Luna from RoboDynamics - it's a personal robot designed for people to use at home, it's fully programmable, and will start shipping later this year. According to the article, Luna could do something that no other robot has been able to accomplish (at least, in principle): bring a programmable, general-purpose robot to a vast number of home users and establish an ecosystem for developers to create and sell software that gives the robot more capabilities.It also offers the the ability to teach it new things makes it increasingly useful. Interesting concept I think and I wonder how well it will be accepted by the humans.

We are seeing a lot of interest in new areas of technology collaboration within IEEE Orange County. 2 new chapter/society formations are in progress. Brian Morris is leading the creation of the CES chapter (IEEE Consumer Electronics) and Sam Karikalan is leading the formation of the CPMT chapter (IEEE Components,Packaging and Manufacturing Technology Society). If you are interesting in becoming a founding member of any of these chapters, please reach out to Brian and Sam - their contact information is the newsletter.

I am pleased to announce the winners of the 2011 IEEE Orange County Awards:

Outstanding Engineer Award – Alain Chahwan, Servo Systems Engineer, Western Digital Corporation

Outstanding Leadership and Professional Service Award – Dr Menas Kafatos, Fletcher Jones Endowed Professor in Computational Physics; Dean, Schmid College of Science; Vice Chancellor for Special Projects; Chapman University

Congratulations to the Alain & Dr Kafatos. Keep up the great work you do and good luck as your nominations move on to IEEE region level. Details on the winners and their profile are available in the newsletter and website. Thanks to the members who took the time to recognize, appreciate and nominate their peers for the IEEE-OC awards. Special thanks to the Awards team, particularly John Collins (Vice-Chairman, IEEE OC Section) who did an excellent job managing this effort.

Here is the June Lynx OC section newsletter with updates on IEEE Orange County section activities and upcoming event information.

Note that we usually do not have any events scheduled in July and August so our volunteers can enjoy the summer vacation uninterrupted with their families. On behalf of all of us at IEEE Orange County Section, I'd like to wish you and your families a wonderful summer season filled with adventure and fun.

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

Thank YOU!
IEEE Orange County SSCS

We had an outstanding presentation at the IEEE Orange County SSCS meeting on Saturday, May 28, 2011.

Over 30 interested people (on a three-day weekend) stayed an extra hour to continue learning from the exceptional talk on the "Performance Evaluation of Wireless Networks."

We sincerely appreciate your time and your great contribution to the overall excellence of the IEEE OC SSCS lectures. Thank you!

Farhad Mafie
Chairman, SSCS, IEEE-OC

Recent UCI IEEE Student Branch Events

S-PAC

UCI's student chapter of IEEE held their S-PAC event on May 11, 2011. Representatives from nine companies came out to sit and speak about their personal experiences and career paths over a three course dinner provided by UCI Catering. Those companies in attendance are: Northrop Grumman, Boeing, IBM, Broadcom, NDS, Teradata, EMC2, Qualcomm, and Mindspeed. We also had roughly five UCI professors who came to support our event. Two guest speakers led the night with their discussions about their career paths: Engineering Vice President from Teradata, as well as our very own UCI EECS professor, Professor Tsai. Everyone enjoyed their dinner and table discussions. We had roughly 58 people in attendance, which almost filled our event towards maximum capacity.

LAN Party

IEEE held their second annual Xtreme Lan Party on May 27, 2001. People lined up well before the registration time to get ahead of the game and to set up their equipment. We had pizza, soda, water, and snacks that fed roughly 100 people in attendance. There were three games running at the same time: Starcraft II, Marvel vs Capcom 3 and Call of Duty: Black Ops. There were many prizes being awarded to the first three winners of each category. Prizes included glass trophies, Western Digital Hard drives, gaming mouse and mouse pads, Seasonic PSU, Mana Potions, CPU coolers, XBOX Live membership card, and many more.

Call for Presenters 2011-2012:

CSUF College of Engineering & Computer Science Technology Breakfast Series

Share your experience and knowledge in the fields of Technology, Engineering or Computer Science with a broad community of engineering and computer science students, professionals, and faculty. Technology Breakfast presenters are industry leaders, professionals and academics eager to inform and inspire students and peers in the Technology, Engineering or Computer Science professional community.

Please consider recommending yourself, a colleague or a business associate to be a Technology Breakfast presenter.

Technology Breakfasts are held in Fullerton, CA three to four times a year with presentations lasting 30-45 minutes followed by a question and answer period. Topics covered in recent ECS Technology Breakfasts have included:
- Power Generation
- Sustainability
- Technology and the Environment
- Assistive Technology
- Unmanned Systems Technology
- Engineering Sound
- Identity Management in a Digital World
- In-Flight Entertainment Systems
- Technology behind the Disney Magic

The ECS Technology Breakfast Series is sponsored in part by the ECS Affiliates, an industry membership support group for the College. ECS programs of study include undergraduate and graduate programs in Civil & Environmental Engineering, Computer Science, Computer Engineering, Electrical Engineering, Mechanical Engineering and Software Engineering. California State University, Fullerton is currently the largest university in the 23 campus CSU system.

To recommend a Tech Breakfast presenter or topic, please contact us at ecsAffiliates@fullerton.edu.

Hart Roussel
Director of Development
College of Engineering and Computer Science, CSU Fullerton
Office: (657) 278-5429
Mobile: (714) 307-5370
FAX: (657)278-1381
hroussel@fullerton.edu

2011 IEEE Orange County Award Winners

Outstanding Engineer
Alain Chahwan
Servo systems engineer
Western Digital Corporation

Alain Chahwan received his BASc in Mechatronics Engineering in 2003 from the University of Toronto with main research interests in optoelectronics, photonics and BioMEMS. He worked as a research assistant at the Center for Advanced Diffusion Wave Technologies and Photothermal and Optoelectronics Diagnostics Laboratory where he co-developed a novel non-invasive laser-based probing technique for the early detection of caries in teeth.

The technique was validated by implementing an optical setup that can provide simultaneous measurements of laser induced frequency-domain photothermal radiometry and modulated laser luminescence signals emitted from radiated spots on the tooth. He then moved into nano-technology and MEMS devices where he co-developed a MEMS-based micromachined 2-D scanner for 3-D optical coherence tomography at the Mechatronics and Automation Laboratory and Ontario Cancer Institute.

In 2005, he received his MSc in Control Systems from the University of California, Berkeley with main research interests in MEMS devices and control theory. Alain joined WDC in 2005 where he currently has a leading role as a servo systems engineer. He has made significant technical contributions in the areas of servo system technologies especially in operational vibration/shock detection and compensation to achieve excellent performance and reliability at different areal density points.

Mr. Chahwan is nominated by Mr. Duc Phan Senior Director, the head of the Servo Systems Development Department.

Outstanding Leadership
Dr. Menas Kafatos
Fletcher Jones Endowed Professor in Computational Physics
Dean, Schmid College of Science
Vice Chancellor for Special Projects
Chapman University

Dr. Menas Kafatos joined Chapman University in 2008 as the Vice Chancellor for Special Projects, is also Founding Dean of the Schmid College of Science, Director of the Center for Excellence in Applied, Computational, and Fundamental Science, and is a Fletcher

Jones Endowed Professor of Computational Physics. He received his B.A. in Physics from Cornell University in 1967 and his Ph.D. in Physics from the Massachusetts Institute of Technology in 1972. After postdoctoral work at NASA Goddard Space Flight Center, he joined George Mason University and was University Professor of Interdisciplinary Sciences, Dean of the School of Computational Sciences and Director of the Center for Earth Observing and Space Research.

He has 36 years experience in undergraduate and graduate teaching and research. He has published numerous books including The Conscious Universe, The Non-local Universe, Principles of Integrative Science, and more than 250 articles. He has served in numerous scientific committees, as editor, as well as organizer of several international conferences. He is an honorary member of the Romanian Academy of Sciences, has served in various leadership positions, and is member of several boards, including the University Space Research Association, and presently OCTANe.

2011 IEEE Orange County Award Winners continued

He has wide interests in several fields of science and information science: Interdisciplinary Earth System Science/Earth Observing/Remote Sensing; natural hazards and climate change; Federated, distributed data information system architecture; content-based Earth science data browsing; user inter-faces; and associated technolo-gies. In Astrophysics and Space Sciences and Physics: Black holes, active galaxies and quasars; accretion hydrodynamics in curved metrics; General Relativity; high-energy emission from cosmic sources; ultraviolet astronomy, symbiotic stars; atomic physics; cosmological redshifts; Cosmolog-ical observations and their limita-tions; Universal Diagrams; founda-tions of quantum theory; quantum theory and brain dynamics; consciousness as the unifying field in the cosmos.

Dr.Kafatos was nominated by Dr. Hesham El-Askary, Professor at Chapman University. Dr. Hesham El-Askary, Associate Prof. of Remote Sensing and Earth System Science as well as the director of the graduate programs Hazards, Global and Environmental change and Computational Science, Schmid College of Science, Chapman University.

New IEEE-OC Chapter Formations

IEEE Orange County Consumer Electronics Society

I am an IEEE member working with leaders in the IEEE Consumer Elec-tronics to help coordinate the formation of an Orange County chapter. We are reaching out to local members looking for support with the petition to create the chapter. The formation of an Orange County chapter of IEEE CE Society will create great benefits for members and students locally. In order to form the local chapter we need IEEE members (non-student member) to sign our petition. The member would also have to be part of the Consumer Electronics Society to be a valid signature on the petition. IEEE member-ship can be easily upgraded from the IEEE member website and cost $15. I can accept an email for the petition. Email signature just requires a letter of intent which includes the name and IEEE member number. No responsibility towards the chapter would be required, if anyone would be interested in holding a position or providing contribution, I would be glad to help facilitate the request. I thank you for your attention to this matter and appreciate any help that can be provided to achieve this goal.If we get enough signatures by the end of the month we will be able to form the chapter in time to be the hosts of the International Games Innovation Conference in November. If you are interested in helping a quick response would be appreciated.

Brian Morris
IEEE CE member
mr_brian_morris@yahoo.com

IEEE Orange CPMT Chapter

(IEEE Components,Packaging and Manufacturing Technology Society)

Sam Karikalan is spearheading the formation of the IEEE Components, Pack-aging and Manufacturing Technological society in Orange County. We already have the necessary   member support to move ahead and the chapter will be formed shortly. If you are interested in joining this society, please email Sam at samk@broadcom.com.

Sam Karikalan
samk@broadcom.com

GHTC: Technology for the Benefit of Humanity

IEEE Global Humanitarian Technology Conference

October 30 - November 1, 2011
Seattle, Washington, USA
www.ieeeghtc.org

Sponsored by the Institute of Electrical and Electronics Engineers, and the IEEE Foundation

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

IMAPS / IEEE-CPMT Advanced Technology Workshop on

Optoelectronic Packaging

June 29 - 30, 2011
McDonnell Douglas Engineering Auditorium
University of California, Irvine
Irvine, California

This workshop is a joint effort by the International Microelectronics and Packaging Society (IMAPS) and the Institute for Electrical and Electronics Engineers - Components, Packaging and Manufacturing Technology Society (IEEE-CPMT). The focus of the workshop is on optoelectronic packaging. We are moving to an age where:

• Photons will supersede electrons as the preferred carrier of information.

• Typical optical waveguides transmit many times more data than electrical wires.

• Optoelectronic devices (LEDs and solar cells) play a great role in new energy generation and energy saving.

Accompanying this change are global efforts in energy efficiency. Issues in the packaging of any device which translates optical energy to or from electrical / thermal / mechanical energy are the focus of the present workshop.

Sessions include:

• ITRS ASSEMBLY AND PACKAGING ROADMAP WORKSHOP

• MATERIALS AND PROCESSES

• LED PACKAGING

• PHOTONIC PACKAGING

• INNOVATION HOUR – company innovative products

For more information and registration, go to WWW.IMAPS.ORG/OPTO

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

New GameSIG Steering Committee

The IEEE-OC GameSIG has formed a steering committee composed of representatives of the major universities of our community (UCI, CSUF, Chapman, and CSULB) to promote a SoCal Computer Game Development Student Showcase to be held in the spring of 2012. Members of the Computer Game Development community from both academia and industry, are invited to partici-pate in both the steering committee and the event. As usual, non-IEEE members as well as IEEE members are encouraged to participate.

Members of the Game Devel-opment classes of the represented universities will have the oppor-tunity to display their software constructs before an audience of their peers and of our local OC Game Industry leaders. While not a contest per se, we will encourage industry leaders to donate prizes for "Best of Show", "Player's Choice", "Industry Favorite", and so forth.

Interested parties should contact a member of the GameSIG Steering Committee or the GameSIG Excom, or Dr. Don V Black, Chair at:
GameSIG@ieee.org
1-949-548-1969

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.:

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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

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

IEEE

IEEE Orange County Computer Society (OCCS) Present:

PC and RFID Security

Burkhard Englert, PhD
Computer Engineering and Computer Science Professor
California State University, Long Beach

Abstract: Computer security is a branch of computer technology known as "information security" as applied to computers and networks. The objective of computer security includes protection of information and property from theft, corruption, or natural disaster, while still allowing the information and property to remain accessible and productive to its intended users. The term computer security generally means the collective processes and mechanisms by which sensitive and valuable information and services are protected from publication, tampering, or collapse by unauthorized activities or untrustworthy individuals and unplanned events.

This talk presents an overview of various computer security threats, risks and vulnerabilities. Using several examples such as personal and enterprise computing systems, discussion will center on how to reduce or close these vulnerabilities. Topics include a security-related focus for the design of computer networks or implementation and performance analysis of enterprise networks.

Bio: Burkhard Englert is a professor in the department of Computer Engineering and Computer Science at California State University Long Beach. He earned his PhD from the department of Mathematics at the University of Connecticut in 2000. His doctoral research was in the area of computability theory (recursion theory) and dealt with lattice embeddings into the computably enumerable degrees. He also worked on distributed algorithms. In 1992, he received a BS degree in mathematics from the University of Tuebingen in Germany.

After finishing his PhD in 2000, Burkhard came to University of California, Los Angeles (UCLA) as an adjunct assistant professor in the program in computing. At UCLA he received the Sorgenfrey Distinguished Teaching Award for visiting faculty members for outstanding achievements in teaching by the department of Mathematics. Currently, Burkhard teaches a broad range of graduate and undergraduate courses concentrating on computer security, net-centric computing, and distributed systems.

Burkhard's research interests are distributed computing, distributed algorithms, computer security, and transportation network modeling and optimization. Burkhard also serves as a reviewer and a member of program committees on a number of national and international conferences.

Event:

Monday, March 28, 2011
Social   6:00 PM
Dinner   6:30 PM
Presentation   7:00 PM

Venue:

Doubletree Club Hotel
Orange County Airport
7 Hutton Centre Drive
Santa Ana, CA 92707-5794

Tickets:

	Advance	No RSVP
IEEE Members	$30.00	$40.00
Students	$20.00	$40.00
Unemployed Members	$20.00	$40.00
Non-Members	$35.00	$40.00
Presentation Only	FREE	

Questions:

Please contact the Event Coordinator – Michael Perlongo – with any questions you may have regarding this event at Perlongo (at) ieee (dot) org.

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
James Blair	Associate Member
Gallin Chen	Associate Member
Bill Gaines	Associate Member
James Hill	Associate Member
Anees Mufti	Associate Member
Abbas Banaiyanmofrad	Graduate Student Member
Renee Cinar	Graduate Student Member
Seyed Hejrati	Graduate Student Member
Tim Chaudhry	Member
NGUYEN DONG	Member
Patrick Hughes	Member
Richard S Jackson	Member
Golam Kabir	Member
Babak Kavoossi	Member
Jeffrey Kim	Member
Yunho Kim	Member
JIANJUN LI	Member
Neli Montalvo	Member
Steven Morris	Member
Jose Luis Ojeda	Member
Paul Leslie Rice	Member
Mehdi Saeidi	Member
Younan Talaat Soliman	Member
Sri Alexander Valarino	Member
Robert Warren	Member
Hernan Acevedo	Student Member
Gilberto Jr. Barrios	Student Member

Chasen Scott Beck	Student Member
Robert Bennett	Student Member
Vincent Cheung	Student Member
Tiffany Choy	Student Member
Sean Conant	Student Member
Brian Fang	Student Member
Ibrahim Hamed	Student Member
Anthony Rattana Hem	Student Member
Forrest Max Hippensteel	Student Member
Riddhi Khotri	Student Member
Wilson Liang	Student Member
Mario Alberto Lopez	Student Member
Nathaniel Haujun Lum	Student Member
Alvin Makabali	Student Member
Amir Kasra Menhaji	Student Member
Sarmad Nasir	Student Member
Christopher Neumann	Student Member
Johnny Nguyen	Student Member
Joseph Noor	Student Member
Jason Schoonover	Student Member
Kevin C Shih	Student Member
David Shin	Student Member
Steven Song	Student Member
Vien Vu	Student Member
Oliver Wang	Student Member
Vincent Tian Cheng Zhu	Student Member

IEEE California:

Public Policy and Government Activities

IEEE-USA's Eye on Washington

Opposition to Patent Reform Defies Party Lines - Opponents - include IEEE-USA - of the currently drafted language of legislation to overhaul our patent laws are marshalling forces in the House in advance of expected floor action on the measure. While Republican leaders have included the HR 1249 - the mis-named America Invents Act, introduced by Judiciary Chairman Lamar Smith (R-Tex.) - on their so-called "job creation" legislative agenda, Smith and his allies must overcome significant bipartisan opposition to get the bill passed.

Awards, Fellowships & Grants

National Science Foundation Recent opportunities include:

Software Infrastructure for Sustained Innovation (SI2) - SI2 is a long-term investment focused on catalyzing new thinking, paradigms, and practices in developing and using software to understand natural, human, and engineered systems. SI2's intent is to foster a pervasive cyberinfrastructure to help researchers address problems of unprecedented scale, complexity, resolution, and accuracy by integrating computation, data, networking, observations and experiments in novel ways. It is NSF's expectation that SI2 investment will result in robust, reliable, usable and sustainable software infrastructure that is critical to achieving the CIF21 vision and will transform science and engineering while contributing to the education of next generation researchers and creators of future cyberinfrastructure. Education at all levels will play an important role in integrating such a dynamic cyberinfrastructure into the fabric of how science and engineering is performed.

Engineering Research Centers (ERC) - The goal of the Generation Three (Gen-3) Engineering Research Centers (ERC) Program is to create a culture in engineering research and education that links discovery to technological innovation through transformational fundamental and engineered systems research in order to advance technology and produce engineering graduates who will be creative U.S. innovators in a globally competitive economy. These ERCs will be at the forefront as the U.S. competes in the 21st century global economy where R&D resources and engineering talent are internationally distributed.

National Science Foundation (NSF) Graduate Research Fellowship Program - Deadlines for Electrical Engineering and Computer Science were in November 2010. Check back later this year for 2012 deadlines.

IEEE Educational Programs, Scholarships, Fellowships & Student Grants Funds - With contributions from generous sponsors around the world, the IEEE Foundation seeks to increase the understanding of how technologies are created and how they impact society, individuals, and the environment. Interdisciplinary in its activities, and transnational in scope, the IEEE Foundation has the potential to improve people's lives in every country.

For complete text and links to additional resources, please visit: http://www.ieeeusa.org/policy/eyeonwashington/2011/08eow2011.asp

Job Openings in OC

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.

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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.

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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.

IEEE

IEEE REGION 6 SOUTHERN AREA CONSULTANT'S NETWORK
SPONSORED BY THE LOS ANGELES COUNCIL (LAC)
SATURDAY, JUNE 25, 2011 10:00 am-12:00 pm

IEEE LOS ANGELES COUNCIL OFFICERS

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Consultants
Network Instructor
 BobGauger, IEEEUSA

Training Arrangements
Eremita Miranda
e.miranda@ieee.org

cell 818 384-2161

TOPIC: Consultants Network Training

INSTRUCTOR: Bob Gauger, IEEEUSA Consultants Network Coordinator

WHO SHOULD ATTEND: IEEE members who are or want to be consultants

LOCATION: Cameron 's restaurant located at 1978 East Colorado Blvd. Pasadena, CA 91107.www.camerons4fish.com (Free Parking)

DATE & TIME: Saturday, June 25, 2011 from 10:00 am to 12:00 pm

LUNCH: 12:00 P.M. sponsored by LAC, Free to all attendees.

RESERVATION DETAILS: To attend, please RSVP e.miranda@ieee.org and eremitamiranda@sbcglobal.net please include your membership number with your reservation request. Thank you!

AGENDA

Self-Introductions- All
Why change careers – maybe consulting?
Some options
Rewards and benefits
Profile of a typical consultant
Plan to work as an independent
How to start consulting
IEEE helps consultants
What works for me
Experiences of other local IEEE consultants
Questions
Lunch-free to all attendees, courtesy of Los Angeles Council
ABOUT THE SPEAKER:

Bob Gauger is a life senior member of the IEEE and has been an independent consultant for more than 20 years, specializing in reliability and availability of HVAC and power, particularly for military and government facilities. As PACE chair for the LAC, he helped organize the original consultant's networks in the LA and Orange County area. Now, he is serving on the coordinating committee that works with nearly 40 other IEEE consultants' networks across the US

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
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Bob Griffin, bobgriff@us.ibm.com

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cdyer@conferencecatalysts.com

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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

◆IEEE

International Games Innovation Conference   November 2-4, 2011

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

Keynote Speakers

Award Banquet

Conference Opening

Reception Banquet

Craig Hampel
Rambus

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

Robert J. Mical
SONY

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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

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International Games Innovation Conference   November 2-4, 2011

IEEE · CONSUMER ELECTRONICS SOCIETY · **Rambus** · CHAPMAN UNIVERSITY · dmw digitalmediawire

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

Call for Papers

GIG

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	Platforms	Development and Production	Interfaces
Cloud based games	Mobile/handheld	Design of games	Interoperability
Networked games	Computers	Tools	Wearable devices
Location awareness	Consoles	Interdependence of	Biometrics
	Portable consoles	Software & Hardware	3D effects
Infrastructure	Cloud servers	Graphics	Haptics
Performance	Network severs	Animation	Gaze
Latency	System architecture	Content generation	Proximity
Architecture	Network architecture	Artificial intelligence	Audio
Security		Cinematography	Gesture

Beyond Entertainment	Technology	User Experience
Health/exercise	Multi-core processors	Playing experience
Education	Mobile SoC	Behavioral impact
Training	Memory	Social impact
Business	3D Display	Player modeling
Advertising	3D Graphics	Learning
Social Change	Augmented reality	Cultural impact
Usability beyond games	Virtual reality	Lessons from games
	Game mechanics	
	Storage	
	Vision/imaging	
	Wireless/RF	
	MEMS/Nano devices	

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).

March 25, 2011 G

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