

**the
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The Chair's Corner:

Greetings IEEE Families!

It has been an honor to serve the IEEE Orange County Section in 2012. This year has been very successful for the IEEE OC Section and we are always looking for new glorious days ahead.

As announced by the nomination committee, we have a new slate of officers for 2013. Additional nominations by petitions are allowed till Dec 31, 2012 per the announcement.

IEEE OC Section thanks the volunteers and sponsors for their efforts. I personally thank the OC Section executive committee, executive advisory committee, nomination committee and Region 6 executive committee. We will honor everyone at our 2013 Awards Dinner.

Here is the December 2012 Lynx OC section newsletter with updates on IEEE Orange County section activities and upcoming event information.

As a final remark, I strongly encourage you to offer your continued support to the success of IEEE OC Section in the years to come. As always, feel free to drop me a line collins.AT.ieee.org. Do not hesitate to contact me for any information or to provide your feedback. I will still be part of the OC Section Executive Committee as Past Chair and adviser to the new officers.

Wishing all of you a wonderful Christmas season!

Best,

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

Proposed Slate of Section Officers for 2013

As announced by the nomination committee, we have a new slate of officers for 2013. Additional nominations by petitions are allowed till Dec 31, 2012 per the announcement.

We plan to announce the new officers at our January 2013 Ex-Com meeting. I'd like to thank the nominating committee (Mr. Russell Hunter, Mr. Alvin Joseph, Mr. John Gibson, Mr. R Sampath and Mr. Phil Wheeler) for their valuable assistance in the leadership selection process.

Chair – Dr Don V Black, 2012 OCCS Chair

Vice Chair – Mr Mario Manansala, 2012 Section Treasurer

Treasurer – Mr Brian Hagerty, 2012 E2E Chair

Secretary – Dr Shireesh Verma, 2012 Secretary

Dr. Don V Black is Founder and Director of Digital ChoreoGraphics, a software design and development firm that has been serving Fortune 500 companies in the Educational, Medical and Aerospace sectors since 1976. He has a Masters in Visual Computing from the UCI School of Computer and Information Sciences, a Ph.D. and over 30 years of experience as a professional Engineer, Entrepreneur, Educator, Scientist and Visionary. Dr. Black has had the privilege to serve the Orange County IEEE Section since the turn of the century, most often as the Chair of the largest Orange County Chapter, the Computer Society. Other IEEE officer opportunities have included serving as the Section Secretary, Newsletter Editor, List Manager, and Volunteers Chair. Other services have included: Fund Raising; Conference Organizing; Founding the IEEE-OC Game Engineers SIG; Initiating the Annual Intercollegiate Computer Game Showcase; and introducing new volunteers and new Chapters to the IEEE-OC Community. In addition to his membership in four IEEE Technical Societies, he is a member of ACM, SIGGRAPH, AOPA, AAAS, AIAA, APS, Sigma Xi and the IEEE California Public Policy & Government Activities committee.

Mario Manansala received his BSEE degree in 1969, became a registered PE in 1975 (in the Philippines), in 1991 (in California) and in 1995 (in Arizona). He has been an IEEE member for 21 years, belonging to the PES, IAS, and Standards Societies. He is a student of Art, Science, and Technology. He is a Senior Electrical Engineer at CDM Smith in Irvine.

Mr. Brian Hagerty is the CEO of Topgallant Energy, an Energy Services Company (ESCO) here in Orange County that specializes in Energy Storage Solutions. Two years ago, he entered the Joint Doctoral Program in Engineering and Industrial Applied Mathematics, a joint PhD program between Cal State Long Beach and Claremont Graduate University. His full time position is CEO of Topgallant Energy, while he pursue his PhD in his "flex time". His bachelor's degree was in Math & Physics at UCI in 1983, and I completed his Master's coursework at Long Beach before transferring into the current Joint Doctoral Program.

Dr. Shireesh Verma is currently with Intel. Prior to that he has held research and development positions at Conexant, Qualcomm Inc. and Marvell Semiconductor Inc. He has been involved in extensive research on various aspects of verification like, automatic generation and evaluation of functional and syntactic coverage models, coverage feedback driven test generation, behavioral error models, low power verification techniques, etc for the past 9 years. He obtained his PhD degree in Information and Computer Science from the University of California Irvine. He serves on the editorial board of Journal of Low Power Electronics (JOLPE). He is also a member of the Accellera P1801 Low Power Working Group and the IEEE Design Automation Standards Committee. He is also a member of several Technical Program Committees.

GOLD Affinity Group formed in OC Section

A meeting for the GOLD Affinity formation on November 20th 2012 was well attended by the GOLD members.

Interim Officers

Chair: Joshua

Vice Chair: Balaji

Secretary: Irvin

Treasurer: Scott

Technical Program Chair: Kangmin

Technical Program Co-Chair: Kaikai

Webmaster: Justin Jones

Contact: Joshua Lubawy
(josh.lubawy@ieee.org)



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

The OC Section Received \$1000 from the Region to extend the iDollar program to student volunteers

The current volunteer students and future volunteer students requested to contact the treasurer to receive i\$50 by volunteering in IEEE OC Section or Chapters

In 2012, we introduced iDollar as an incentive to all volunteers for their involvement in Section's programs. The iDollar can be used towards registration, food and other fees at the Section's events. The iDollar will serve as a motivator for volunteer involvement, their professional development and extending benefits to all IEEE Members.

The iDollar will bankroll the cost of a volunteer attending Chapter or Section events. As an incentive, we propose to issue ten \$5 iDollars (\$50 total) to each new volunteer. We will have a registry of all their names and IEEE Member numbers from those who were issued these iDollars, signed by the volunteer. The issued iDollars will have the volunteers' name and member number at the back of the bill. When the volunteer attends a Chapter (or Section) event, s/he shall put the event name and date at the back of the bills and hand them to the Chapter (or Section) Treasurer/Event Coordinator. In the following Section meeting the Chapter Treasurer will sign the back of the iDollars collected and redeem them as chapter funds from the Section. The Section will verify the bills against the registry before transferring funds to the Chapter. The volunteer does not get cash, the Chapter Treasurer redeems the funds to the Chapter. To add security, a wet stamp will be used on all iDollars issued to a volunteer.

We are confident that the iDollar program is simple and secure to attract and involve new volunteers at the Orange County Section.

Mario Manansala
manansala@ieee.org

The IEEE Orange County Upcoming Events

Dec 13

**IEEE Orange County Section EMBS
Chapter & IEEE EMBS Distinguished
Lecturer Program Present:
Emerging Biomedical Technologies of
High Potential Impact:
Multi-Spectral Optical and
NIR Imaging for Point-Of-Care
Applications**

Feb 27-Mar 1, 2013

**15th IEEE International Symposium
and Exhibition: Advanced Packaging
Materials**

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

IEEE OCS Volunteers in the last 50 years

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

Many of you already have a biography that we can post, and if you send your biography to 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>

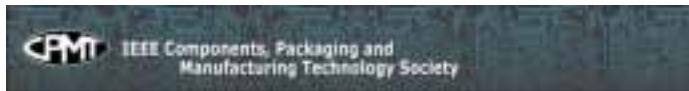
<http://www.usfirst.org/community/volunteers/senior-mentor-bios>

<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



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

California State Polytechnic University, Pomona

Electrical and Computer Engineering Department

The Electrical and Computer Engineering Department in the College of Engineering at California State Polytechnic University, Pomona (Cal Poly Pomona) invites applications for two tenure-track positions in power systems at the rank of Assistant Professor to begin Fall 2013.

The Position: Responsibilities include teaching undergraduate and graduate courses, advising students, conducting research, and providing services to the department, college and university. Candidates must be able to effectively teach theory as well as develop innovative lab projects. Successful candidates will help with the establishment of the Power Center, and the Smart Grid and Power Engineering program.

Minimum Qualifications:

- Ph.D. in Electrical and/or Computer Engineering or related area from an accredited university by June 2013
- Demonstrated commitment to undergraduate and graduate teaching
- Professional engineering work experience
- Strong oral and written communication skills
- Demonstrated commitment to work with diverse students and community populations

Preferred/Desired Qualifications:

- Demonstrated ability to establish industrial collaborations
- Demonstrated ability in developing electrical and computer engineering laboratories especially in power systems
- Expertise in energy, renewable, power systems, smart grid and network security
- Demonstrated ability in applied research and grants in smart grid and network security
- Demonstrated ability to teach power classes in both undergraduate and graduate level
- Demonstrated ability to be responsive to the educational equity goals of the university and its increasing ethnic diversity and international character

Application Procedure: A completed application will consist of:

- A cover letter that describes the candidate's teaching and research experience and interests, and addresses the duties and qualifications articulated in the position description;
- A curriculum vitae comprised of elements specified on the application form, including the names, titles,

addresses, and telephone numbers of at least five individuals who can speak to the candidate's potential for success in this position;

- A completed application form (available at <http://www.csupomona.edu/~engineering/faculty/index.htm>);
- A transcript showing the highest degree earned (an official transcript will be required of finalists); and
- Finalists for the position will be required to provide three recent letters of reference.

The position is open until filled. To be included in the first review, completed applications must be received by Dec. 31, 2012. Please address all nominations, inquiries, requests, and application materials to:

Faculty Search Committee

c/o Dr. Meng-Lai Yin

Electrical and Computer Engineering Department

California State Polytechnic University, Pomona

Pomona, CA 91768

Phone: 909.869.2535 FAX: 909.869.4687

Email: ece@csupomona.edu

The University: Cal Poly Pomona, one of two polytechnic universities in California, is a member of the 23-campus California State University system. Our ethnically diverse student population of approximately 21,000 enrolls in 60 baccalaureate, 26 master's degree programs and a doctorate in Educational Leadership, presented by 1,000 faculty. We recruit students increasingly from throughout California and beyond. The students are success and career focused and extremely diverse. We are proud of our status as a Hispanic Serving Institution. We have a strong commitment to supporting scholarship, research, and student achievement. Our scenic and historic 1,400-acre campus, once the winter ranch of cereal magnate W. K. Kellogg, is located about 30 miles east of downtown Los Angeles in one of the most dynamic economic and cultural regions in the country, and within an hour's drive of beaches, mountains, and desert. The university is committed to diversifying its faculty and staff and has made educational equity one of its highest priorities. The mission of the university is to advance learning and knowledge by linking theory and practice in all disciplines, and to prepare students for lifelong learning, leadership, and careers in a changing, multicultural world.

Electrical and Computer Engineering Department continued...

California State Polytechnic University, Pomona is an Equal Opportunity, Affirmative Action Employer. The University seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the people of California, to maintain the excellence of the University, and to offer our students richly varied disciplines, perspectives and ways of knowing and learning. Cal Poly Pomona subscribes to all state and federal regulations and prohibits discrimination based on race, color, religion, national origin, sex, gender identity/gender expression, sexual orientation, marital status, pregnancy, age, disability, genetic information, medical condition, and covered veteran status. **The University hires only individuals lawfully authorized to work in the United States. As required by the Clery Disclosure Act, the university's annual security report is available at <http://dsa.csupomona.edu/police/securityreport.asp>.**

IEEE OC Section Chairman Receives Prestigious 2012 IEEE MGA Innovation Award

Dr. John Collins is the recipient of the IEEE Member Geographic Activities (MGA) award. The selection was made by the MGA Awards and Recognition Committee and approved by the IEEE MGA Board during its 10 November 2012 meeting. This is a very prestigious award, and which honors Dr. Collins for his outstanding contributions made to numerous IEEE activities and for the example he has set in carrying forward the goals and objectives of the IEEE MGA Board.



The award consists of a cash prize of US\$1000 and a plaque, which carries the following citation:

2012
John Collins
(IEEE Orange County Section)

For outstanding dedication to improving the IEEE member experience through numerous innovative accomplishments, resulting in increased membership and volunteerism, Chapter revitalization, and greater student participation.

Congratulations Dr. Collins!

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

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,
clee@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

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

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

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

Continued...

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

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

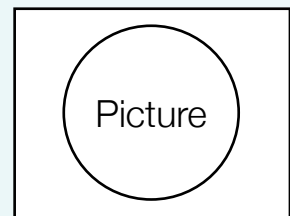
Newsletter Inputs

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

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 Newsletter content, Newsletter content Newsletter Newsletter content Newsletter content,
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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

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
Brandman University
<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

IEEE Fellow Profile: Dr. Hamid Jafarkhani



Dr. Hamid Jafarkhani received the B.S. degree in electronics from Tehran University in 1989 and the M.S. and Ph.D. degrees both in electrical engineering from the University of Maryland at College Park in 1994 and 1997, respectively.

From June 1996 to Sept. 1996, he was a summer intern at Lucent Technologies (Bell Labs). He joined AT&T Labs-Research as a Senior Technical Staff Member in Aug. 1997. Later he was promoted to a Principal Technical Staff Member. While at AT&T Labs, he and his colleagues invented space-time block coding, a MIMO technology, that has become an active area of research and is widely used in practice. He was with Broadcom Corp. as a Senior Staff Scientist from July 2000 to Sept. 2001. Currently, he is a Chancellor's Professor in the Department of Electrical Engineering & Computer Science at the University of California, Irvine where he is also the Director of Center for Pervasive Communications & Computing and the Conexant-Broadcom Endowed Chair.

Dr. Jafarkhani ranked first in the nationwide entrance examination of Iranian universities in 1984. He was a co-recipient of the American Division Award of the 1995 Texas Instruments DSP Solutions Challenge. He received the best paper award of ISWC in 2002 and an NSF Career Award in 2003. He received the UCI Distinguished Mid-Career Faculty Award for Research in 2006 and the School of Engineering FariborzMaseeh Best Faculty Research Award in 2007. Also, he was a co-recipient of the 2006 IEEE Marconi Best Paper Award in Wireless Communications and the 2009 best paper award of the Journal of Communications and Networks.

He was an associate editor for the IEEE Communications Letters from 2001-2005, an editor for the IEEE Transactions on Wireless Communications from 2002-2007 and an editor for the IEEE Transactions on Communications from 2005-2007. He was a guest editor of the special issue on "MIMO-Optimized Transmission Systems for Delivering Data and Rich Content" for the IEEE Journal of Selected Topics in Signal Processing in 2008. He has been an area editor for the IEEE Transactions on Wireless Communications since 2007.

Dr. Jafarkhani is listed as a highly cited researcher in <http://www.isihighlycited.com>. According to the Thomson Scientific, he is one of the top 10 most-cited researchers in the field of "computer science" during 1997-2007. He is also Fellow of AAAS, and the author of the book Space-Time Coding: Theory and Practice.

Dr. Jafarkhani was named IEEE Fellow, "for contributions to space-time coding."

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

Orange County Section Highlights for 2012

- Monthly excom meetings
 - Business meetings to discuss the operation of IEEE Orange County Section and Chapters/groups
 - Workshops on web-in-a-box, Netsuite, L31/L50 filing, SAMIEEE, vTools were organized by Past-Chair Russell Hunter
 - Overview of Government Activities, Corporate Relations, and Educational Activities were organized by Mr. R. Sampath, Mr. John B. Gibson, STEM OC organizations respectively
- AESS and CES chapters were formed; Life Member and Graduate of Last Decade (GOLD) Affinity groups were formed.
- iDollar to volunteers - \$50 per volunteer in 10 coupons towards registration fee or food
 - Received \$1000 from Region 6 towards 'iDollars to Student Volunteers'
- \$1000 to chapters for organizing innovative student design competition and proposal to IEEE foundation (EMBS Chapter and Computer Society/GameSIG)
- Webpages to recognize 'Volunteers in the last 50 years' and past chairs
- Major Events: Volunteer Night, Awards Dinner, New Chapter Startup (AESS, CES), BBQ Social Kickoff Event, Executive Advisory Committee Dinner, Golden Jubilee celebration Planning and Life Member Affinity Group Formation Meeting, GOLD member Affinity Group Formation Meeting
- Monthly Newsletter with IEEE Fellow Profile, Section and Chapters programs, OC Engineering Programs from UCI, CSUF, SBA
- Section's Presentations on general topics and partner with new chapters includes
 - Accounting for Engineers
 - Micronano Systems for Biomedical Applications
 - Tutorial on analysis of non linear control systems
 - Patent Litigation in the wake of Samsung vs Apple
 - Cancer Prevention in the Year 2025: An Anticipation Using Engineering Tools - OC Section Awards Banquet Speaker, Frank L. Meyskens, Jr., M.D., F.A.C.P.
- Organized IEEE OC Student Design Contest and Job Fair by Mr. Farhad Mafie

2012 IEEE Orange County Section — Executive Committee

Section Officers:

Chair

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

Vice-Chair

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

Treasurer

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

Secretary

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

Past Chair

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

IEEE-OC Technical Society Chapters:

AESS

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

Communications / Signal Processing Joint Society (COMSIG)

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