



IEEE BUENAVENTURA SECTION

July 2012 Newsletter

<p>Sat. 14 July</p>	<p>Section</p>	<p>Senior Elevation Clinic 10am-noon T.O. Library Contact Christian.Ziegler@ieee-bv.org</p>
<p>Wed. 18 July</p>	<p>MTTS AES LMAG</p>	<p>Facts and Fictions about Alternate Energy <i>Momin Quddus, JPL</i> 6:30pm Refreshments, 7pm presentation Ciao Wireless 1090 Avenida Acaso Camarillo, CA 93012</p>
<p>Mon. 30 July</p>	<p>Section</p>	<p>Section Operating Committee Meeting</p>
<p>July</p>	<p>Computer ED/CAS EMBS PES RAS</p>	<p>No events planned this month.</p>

Happy Independence Day!



Mid-month meeting announcements and additional upcoming events will appear on the website first.

Be sure to see the advertised positions on the web too.

<http://ieee-bv.org/>

SECTION SPONSORS



Ciao Wireless, Inc.



Advanced Personnel Profiles



The IEEE

Membership News

Please Welcome Our Newest Members to the IEEE

Please join me in welcoming our newest Section members:

- Courtney McKoy
- Francisco Maldonado
- John W. Charrett
- Stephen Jubb
- Stephen Oonk



Members can find and make contacts by [searching MemberNet](#) at the [IEEE Member Portal](#).

For new members, please update and share your information at the portal to help connect you to everyone, and remember to set up your new IEEE email. Please also introduce yourself at any meeting; networking starts here in the IEEE.

--- Karl Geiger, Section Chair

2012 Senior Membership Elevation Clinic

See announcement below.

2012 Membership

There is no better time to discover the value of IEEE membership!

New members that join between 1 March and 15 August are billed at half-off the full-year membership dues, and receive membership benefits now through 31 December!

To apply to join, see

<http://www.ieee.org/join> or <http://www.computer.org/join>

– Christian Ziegler, Membership Development

Job Opportunities



Biochemist and Polymer Chemist

Alfred Mann Foundation
(www.aemf.org) in Valencia is searching PhD level chemists for a six month contract. Proof-of-Concept for a very exciting project. This is a premier medical device research organization!

Contact Pat Jacobs

805-579-0630
pat.jacobs@advancedpersonnelprofiles.com

Electrical Engineer

Pasadena medical device company searching for EE with 3-5 yrs experience. Need analog and digital circuit design experience. Able to write basic code for device control and Labview.

Contact Pat Jacobs

805-579-0630
pat.jacobs@advancedpersonnelprofiles.com

SYSTEMS ENGINEERS PRINCIPAL & SENIOR

Premier Ventura County company – must have medical device experience. DOORS experience a plus.

Contact Pat Jacobs

805-579-0630
pat.jacobs@advancedpersonnelprofiles.com

Section News

Section Officer Nominations

A Section Officer election will be held Oct-Nov 2012. Elected positions are

- Chair
- Secretary
- Treasurer
- Vice Chair

Nominations for these positions are now open. **Nominees must be IEEE Buena Ventura Section members in good standing and of Graduate Student Grade or higher.** See the [qualifications rules at the IEEE home site](#). To nominate someone or yourself, please send mail to election@ieee-bv.org.

-- Karl Geiger, Section Chair



Mike Nicholls, Advance Motion Controls, is seeking to start a Product Safety Engineering Society (PSES). IEEE members interested in forming a PSES make contact Mike at mnicholls@a-m-c.com or me at chair@ieee-bv.org.

-- Karl Geiger, Section Chair

Have News or Announcements?

If you have an event or news, IEEE or otherwise, that is of interest to IEEE members please send it to Zak Cohen, newsletter@ieee-bv.org, so it can appear in the newsletter and the website.

Details about submitting news articles, how to subscribe and unsubscribe are at <http://www.ieee-bv.org/news/>.

If you wish to write for the newsletter or website, please contact Zak or a Chapter chair.

--Zak Cohen, Section Secretary

Mechanical and Electrical Engineer

Pasadena medical device company searching for EE with 3-5 yrs experience. Need analog and digital circuit design experience. Able to write basic code for device control and Labview. Mechanical engineer to develop tooling.

Contact Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com

Mechanical & Electrical Engineer

Pasadena medical device company has 3 month contracts for mechanical & electrical engineers. Mechanical engineer needs experience with lancet development & Electrical engineer must have expertise in analog, digital and embedded system design.

Contact Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com

Quality Engineer

Bioness (www.bioness.com) in Valencia is searching for a quality engineer with expertise in a regulated industry, medical device a plus.

Contact Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com

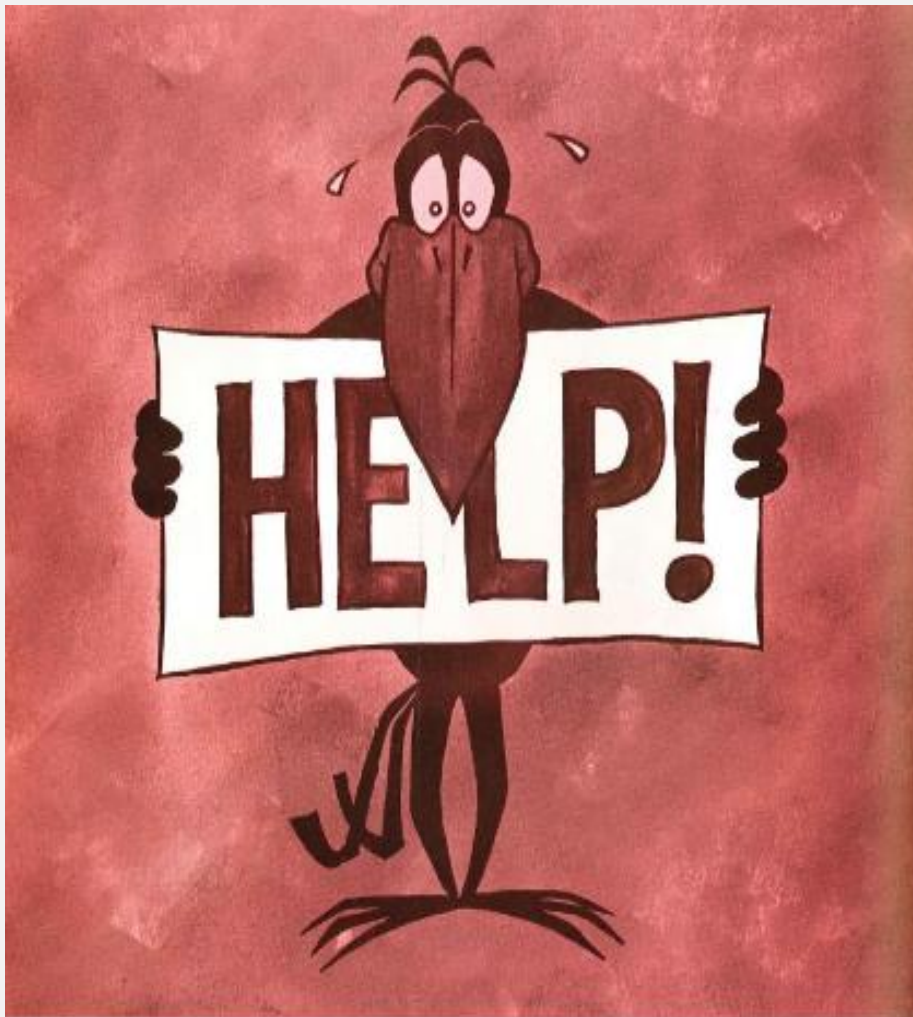
DIRECTOR – QUALITY SYSTEMS

Los Angeles County medical device company searching for individual to lead a team of 70. Must have prior medical device experience.

Contact Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com



...me document Buenaventura Section history.

If you have any photos or newsletters or other information about the early years of the Section, please send to me. I will return the items to you after copying them. Thank you.

Doug Askegard, BV Section Historian
dougaskegard@ieee.org

*I borrowed a drawing of my friend, the AOC Crow, as an attention-getter for this message.

Intern?

Second Sight (www.2-sight.com) in Sylmar is searching for an intern majoring in computer software / engineering.

Contact Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com



FIRMWARE ENGINEER

To develop firmware for industrial instrumentation products.

Must have competency in C/C++ programming embedded software for real-time measurement applications. Current project uses ADI devices (AD9958 & ADUC7026).

A contract position but successful completion may lead to further projects or full-time position.

Hardware knowledge of RF circuitry and mixed-signal layouts a plus.

Contact:

Colin Hanson

colin@sensortech.com

(805) 378-1160

Job Opportunities



Military and Industrial
Display Solutions

Electrical Engineer

Camarillo manufacturer of ruggedized military and industrial LCD display units seeks EE with 3-5 yrs experience. Need analog and digital circuit design experience, including ASIC, FPGA. Experience with ground up product design a plus. (5/12-6/12)

Contact

Judy Sitko

Judy.Sitko@NLSdisplays.com

Tel 805-389-5435 x212

Fax 805-389-5436

www.NLSdisplays.com



Field Service & Applications Engineer

Tamar Technology builds optical metrology equipment, and is searching for a field service engineer who can travel frequently to locations worldwide. The job includes training customers and evaluating samples.

The applicant must be able to work independently and be a positive face for the company. (5/12-8/12)

Contact:

David Marx

dmarx@tamartechnology.com

1-805-480-3358



Channel Islands
CALIFORNIA STATE UNIVERSITY

Computer Science Lecturer Positions

A Masters degree in Computer Science or related field is required for teaching undergraduate courses. A PhD is required for teaching graduate courses. (5/12-8/12)

Application web-site <http://csucifacultyjobs.com>

For more information contact

Peter Smith

peter.smith@csuci.edu

Looking for Academic, Scientific, or Engineering Talent?

Placement ads are \$25/month
and appear in both newsletter and online.

Sponsorships available for website and Section.

Contact newsletter@ieee-bv.org or see our [Ad Placement information](#) to advertise or sponsor the Section.



Section and Chapter News and Events

2012 Senior Elevation Clinic

The Senior Elevation Event for the section is to be held on July 14th at the Thousand Oaks Library. We have 24 members seeking elevation to senior member status and they plan to attend and seek references from 18 senior and life members at the Clinic.

Last year's event resulted in 15 members attaining this status. With the advent of an improved on-line application we expect to surpass last year's result.

We have nearly 300 members in the section who qualify for this elevation. It is not too late to apply.

For more information or to help prepare for the event, contact me.

Christian Ziegler
Membership Development Chair
christian.ziegler@ieee-bv.org

Why Engineering?

Tell your story: why did you pursue engineering as a career?

Budding filmmaker Audrey Askegard is looking for IEEE members to interview for a documentary film about STEM careers. The audience is pre-university and early university students.

If you are interested in speaking about why you chose science, technology, engineering, or mathematics as a either vocation or avocation – and about why you enjoy it – contact her at audreyaskegard@yahoo.com. The project is filming in July and August, so hurry!



Energy Efficiency Symposium 2012

We are preparing for our 2012 Energy Efficiency Symposium for 2012 (ees.ieee-bv.org), Thursday 4 October 2012. Last year's symposium featured presentations from SCE, GridTest, Schweitzer Labs, Maverick Angels, and UCSB's Dr. David Auston, Executive Director, Institute for Energy Efficiency, UCSB

Fro 2012 our keynote speaker is Dr. Rajit Gadh, Director of UCLA's Smartgrid Energy Research Center (SMERC).

If you, your company, or someone you know is interested in sponsoring, exhibiting, or speaking, please contact Bridge Carney, bcarney@ieee-bv.org.

-- Bridge Carney, Vice Chair IEEE BV, Chair IEEE PES Chapter

Neighboring Section and Technical Society Events

Wednesday, August 8th 2012

**IEEE Orange County Consultants Network (OCCN)
Los Angeles Area Consultants Network (LAACN)
and the IEEE Foothill Section PACE
present**



**Dr. Gary L. Blank
IEEE-USA Vice-President
Career and Member Services
and Candidate for IEEE-USA
President-Elect 2013**

New IEEE Tools, Services, Programs, and Networks for Consultants, Entrepreneurs, the Employed and the Unemployed

Abstract:

What can the IEEE-USA do for you? Dr. Gary L. Blank, IEEE-USA Vice-President, Career and Member Services, will describe new tools, new services, and new programs, and updates on older ones, at this special meeting. These are all designed to advance the careers, practices, and networking of consultants, entrepreneurs, those who are employed, and those who are unemployed.

During his talk, Dr. Blank will explain how the Consultants Networks function, and how they interface and work with other IEEE organizations including the Sections, PACE, Chapters and Societies, WIE Women in Engineering, GOLD, and Life Members. He will describe the powerful IEEE-USA Consultants Database website and how it helps consultants find clients. He will also talk about the newly-formed IEEE-USA Entrepreneurs Networks and how effective they are in helping members to start new businesses, the new IEEE-USA Employment Networks that are rapidly growing and how they are helping our unemployed members to find jobs, and some of the new career advancement tools and services.

About Dr. Blank:

Dr. Blank earned his Ph.D. in Electrical Engineering at the University of Wisconsin in Madison. He has been a full-time technical consultant for many years having provided consulting services for more

than 40 major corporations and government agencies. He is the founder of the IEEE Chicago/Rockford Consultants Network which has over 200 members, and is the past chair of the AICN (Alliance of IEEE Consultants Networks). He has been a full-time professor of Electrical and Computer Engineering at Illinois Institute of Technology, Northern Illinois University, and Marquette University. He also taught at UCLA, and the University of Florida. He has worked with and consulted with many companies in Southern California. He is currently consulting with the U.S. Department of Energy in the areas of Smart Grid, Electric Vehicles, and Renewable Energy, and with the United Technologies Corporation (Hamilton Sundstrand) in the areas of Control Systems and Power Electronics.

His current IEEE-USA VP responsibilities include over 40 IEEE Consultants Networks in the USA, many of which he has founded for their sponsoring Sections. He also provides a 6-hour workshop/training for the members of the Networks on how to start and how to rapidly expand a successful consulting practice. In addition to the AICN (Alliance of IEEE Consultants Networks). Dr. Blank, as IEEE-USA Vice President, is also responsible for the start-up and management of the IEEE-USA Employment Networks, the IEEE-USA Entrepreneur Networks, the IEEE-USA K-12 STEM Literacy Activities, and the IEEE-USA Professional Engineering Licensure and Registration programs. He is a candidate for IEEE-USA President-Elect 2013, nominated and endorsed by the IEEE-USA Board of Directors.

Date:

Wednesday, August 8th, 2012

(Note that this is a change from the time and date announced earlier)

Sponsorship:

This meeting is being hosted by the PACE Actiities of the IEEE Foothill Section, in cooperation with the Orange County Consultants Network and the Los Angeles Area Consultants Network. All IEEE members are invited. No charge for food or parking.

Time:

6:30 PM Networking.and food.

7:00 – 9:30 PM Presentation and Q&A.

Location:

Diamond Bar community Center, 1600 Grand Avenue, Diamond Bar,CA

The Community Center is located near the intersection of the Freeways 57 and 60, with the Freeways 10 and 210 fairly nearby. This was selected in order to allow many IEEE members from the LA Metropolitan Area, as well as the Inland Empire and Orange County to attend. Free parking on site, but car pooling is recommended. Use your travel time to network.

Future Meeting:

A meeting is being planned for the fourth Saturday in September, with the meeting again in the Engineering Buildig at Cal State Fullerton at 10:00 AM. Mark your calendar and watch for the announcement.

Contact/RSVP/Info:

Bob Gauger r.gauger@ieee.org or Frank Freyne fgfreyne@ieee.org

34th Annual International Conference of the
IEEE Engineering in Medicine & Biology Society
"Engineering Innovation in Global Health"
Hilton San Diego Bayfront, San Diego. Aug 28 - Sep 1



The 34th Annual International Conference of the Engineering in Medicine and Biology Society will take place at the Hilton Bayfront Hotel in San Diego. The general theme of EMBC'12, "Engineering Innovation in Global Health", covers a broad spectrum of topics in biomedical engineering and healthcare technologies, including medical and clinical applications.

Themes

Biomedical Signal Processing
Biomedical Imaging and Image Processing
Bioinstrumentation, Biosensors and Bio-Micro/Nano Technologies
Bioinformatics and Computational Biology, Systems Biology, & Modeling Methodologies
Cardiovascular and Respiratory Systems Engineering
Therapeutic and Diagnostic Systems, Devices and Technologies, & Clinical Engineering
Neural and Rehabilitation Engineering
Cellular and Tissue Engineering and Biomaterials
Biomechanics and Robotics

Healthcare Information Systems, & Telemedicine
Biomedical Engineering Education and Society

Key Dates:

June 1 Late-Breaking & Undergrad Papers Deadline
June 1 Advanced Exhibit Booth/Table Reservation
June 4 Author Final Submission (1st Submission Cycle)
July 25 Early Registration Deadline
July 25 Hotel Reservation Deadline



Plenary Keynote Speakers

William R. Brody, Ph.D., M.D., President of the Salk Institute: Medical Devices and Healthcare Technology: Changing the Paradigm for the 21st Century
Eric J. Topol, M.D., Director of the Scripps Translational Science Institute, and Vice-Chairman of the West Wireless Health Institute: Digitizing Man
Rebecca Bergman, Vice President of New Therapies and Diagnostics in the Cardiac Rhythm Disease Management Business Unit of Medtronic, Inc.: Emerging Medical Device Technologies: Creating Better Healthcare Solutions for Chronic Disease Management

embc2012.embs.org



IEEE COMPONENTS, PACKAGING AND
MANUFACTURING TECHNOLOGY SOCIETY

The 2012 IEEE-CPMT / IMAPS Advanced Technology Workshop on Optoelectronic Packaging and Assembly



Advance Announcement

The Institute of Electrical and Electronics Engineers - Components, Packaging and Manufacturing Technology Society (IEEE-CPMT) and the International Microelectronics and Packaging Society (IMAPS) jointly announce the 2012 Advanced Technology Workshop on Opto-electronic Packaging and Assembly. This workshop will feature an ITRS Assembly and Packaging Roadmap working session as well.

Dates: **September 6 & 7, 2012**

Location: [Embassy Suites, 3100 East Frontera Street, Anaheim, CA 92806](#)

Thursday, September 6, 2012

8:00 am – 5:00 pm

Optoelectronic Packaging & Assembly

Invited technical experts will be presenting on the advances and trends in Optoelectronic Packaging and Assembly Technology areas for applications such as Optical Interconnects & Semiconductor Photonics, Optical Transceivers & Networks, High Brightness LED and CMOS Image Sensors.

Featured Speakers:

Keynote Address: **Prof. Ricky Lee, President, IEEE CPMT Society**

Dr. Mehdi Asghari, Kotura

Dr. Daniel Van Blerkom, Forza Silicon

Ron Bonne, Philips Lumileds

Dr. Jack Cunningham, Oracle Labs

Dr. Peter De Dobbelaere, Luxtera

Dr. Ali Ghiasi, Broadcom

Dr. Radha Nagarajan, Infinera

Dr. Adit Narasimha, Molex

Prof. George Papen, UCSD

Jeff Perkins, Yole Developpment

Dr. Mark Verdiell, Samtec

Friday, September 7, 2012

8:00 am – 12:00 pm



ITRS Assembly & Packaging Roadmap Working Session

The International Technology Roadmap for Semiconductors (ITRS) Organization will hold an assembly and packaging roadmap working session for the workshop participants, with a presentation on the ITRS working process and an interactive discussion about their optoelectronic packaging activities.

Platinum Sponsor



Silver Sponsor



For Sponsorship & Vendor Exhibition inquiries, please contact:

Lawrence Williams – larry.williams@ansys.com, 714-417-9311 x449

Jaydutt Joshi - jaydutt@gmail.com, 949-697-9814

Registrations:

Early-Bird Registration Fees: IEEE / IMAPS Members - \$200; Non-Members - \$250; Students - \$75
Registration options are also available for attending only one of the days. Prices will increase for each category, after July 31, 2012.

Registration Instructions at https://meetings.vtools.ieee.org/meeting_view/list_meeting/12685

Workshop Organizing Committee

General Chairs

Robert Warren, Conexant Systems, Inc. robert.warren@conexant.com

John Mazurowski, Penn State Electro-Optics Center, jmazurowski@eoc.psu.edu

Technical Program

Wei Koh, Pacrim Technologies, wkoh2003@hotmail.com

Dick Otte, Promex Industries, Inc., otte@promex-ind.com

Bill Bottoms, Third Millennium Test Solutions, bill_bottoms@3mts.com

Kannan Raj, Oracle, kannan.raj@oracle.com

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Mark Bachman, Univ. of California – Irvine, mbachman@uci.edu

Sam Karikalan, Broadcom Corporation, samkarikalan@ieee.org

Ivan Shubin, Oracle, ivan.shubin@oracle.com

Registration & Finances:

Melissa Lau, Broadcom Corporation, melissa@broadcom.com

Publicity:

Michael Alderete, DRS Sensors and Targeting Systems, alderetm@gmail.com

Paul Wesling, Communications Director - IEEE, p.wesling@ieee.org

Vendor Exhibits & Sponsorships:

Lawrence Williams, Ansys Corporation, larry.williams@ansys.com

Jaydutt Joshi, Skyworks Solutions, Inc., jaydutt@gmail.com

Local Arrangements:

Hossein Ahmad, Boeing, hossein.ahmad@boeing.com

University Relations:

Mark Bachman, Univ. of California – Irvine, mbachman@uci.edu

Workshop Website: <http://www.cpmt.org/opto2012>

Buenaventura Section and Chapter Info

<u>Section Office 2012</u>	<u>Name</u>	<u>E-Mail</u>
Chair	Karl Geiger	karl@ieee-bv-cs.org
Vice-Chair	Bridgeman Carney	bcarney@ieee-bv.org
Treasurer	Albert Wolfkiel	awolfkiel@ieee-bv.org
Secretary	Zak Cohen	zcohen@ieee.org
Programs and Events	Ross Kocen	events@ieee-bv.org
Awards Chair PACE Events Chair	Christian Ziegler	awards@ieee-bv.org
Historian	Doug Askegard	dougaskegard@ieee.org
Past Chair	Steve Johnson	sfjohnso@ieee.org
Sr. Representative, LA Council	Bridgeman Carney	bcarney@ieee-bv.org
Jr. Representative, LA Council	Momin Quddus	moming7@yahoo.com
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Newsletter	Zak Cohen Karl Geiger	newsletter@ieee-bv.org

<u>Chapter</u>	<u>2012 Chair</u>	<u>E-Mail</u>
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Communications	Victor Lin	Victor.S.Lin@aero.org
Computer	Craig Reinhart	reinhart@callutheran.edu
Electron Dev./Circuits and Systems	Sunil Pai	chair@edcas.ieee-bv.org
Engineering in Medicine and Biology	Abigail Corrin	abigailacorrin@hotmail.com
Life Members Affinity Group	Jerry Knotts	chair@lmag.ieee-bv.org
Microwave Technology and Techniques	Tom Campbell	TCampbell@sstrf.com
Power and Energy	Bridge Carney	bcarney@ieee-bv.org
Robotics	Bob Rumer	rrumer@callutheran.edu

Be sure to check the Section's websites for the latest updates, meeting flyers, and newsletters. Some event details may change. Sites:

<http://www.ieee-bv.org/>

<http://comsoc.ieee-bv.org/>

<http://www.ieee-bv-cs.org/>

<http://www.ieee-bv-embs.org/>

Aerospace, ED/CAS, Life Members, Microwave, Power and Energy, Robotics, Section
Communications
Computer
Engineering in Medicine and Biology



IEEE BUENAVENTURA SECTION