



IEEE BUENAVENTURA SECTION

January 2013 Newsletter

Wed. 16 Jan.	MTTS	Adoption of DDL Waveform for UAVs <i>Earl Cox, Program Manager, Aerovironment</i> 6:30pm networking, refreshments, 7pm presentation Ciao Wireless, 4000 Via Pescador, Camarillo
Thu. 24 Jan.	AES ED/CAS LMAG	CANCELLED Obsolescence – the Underside of the COTS Iceberg <i>Michael T. Ellis, Northrup Corporation</i> 6:30-8pm Vitesse Semiconductor Corp., 741 Calle Plano, Camarillo, CA
Mon. 28 Jan.	Section Officers	Section Opcom, 2012 Review, and Recognition Octavio's, Camarillo
Wed. 30 Jan.	EMBS	Patenting Your Invention in Biomedical Engineering <i>Nicole Ballew Chang, Christie Harper Hale LLP</i> Dinner and social hour 6pm, \$10 at the door Meeting 7pm, no charge for presentation Ahmanson Science Center, California Lutheran University, 60 W. Olsen Road, Thousand Oaks
Jan.	ComSoc Computer PES RAS	No local events planned this month. Check website for updates. Be sure to see the advertised positions on the web too. http://ieee-bv.org/

HAPPY 2013!

SECTION SPONSORS



Ciao Wireless, Inc.



The IEEE

Membership News

New Members

Please join us in welcoming our new Section members:

- Steve Agarwal
- Ali AlGhamdi
- Steve Blanchard
- Ashok Kodigala
- David Samuel Rom
- Stephen Shay
- Brian Memmott



New Members: please be sure to update and share your information at the IEEE Member Portal and set up your IEEE email alias. Please also introduce yourselves at meetings; networking starts here in the IEEE.

Current Members: please be sure to renew for 2013! If you are currently between jobs, remember to take the “unemployed” discount when you renew to save 50% over regular membership.

--- Bridge Carney, Section Chair

Section News

New Section Officers

Section officers for 2013 have been elected. They are:

- Section Chair - Bridge Carney
- Section Vice Chair - Albert Wolfkiel
- Section Secretary - Karl Geiger
- Section Treasurer - Zak Cohen

The final report from the IEEE voting system is available here:

[Ballot Results](#) [Buenaventura Section 2013 Officers Election](#)

The new officers look forward to serving you in the coming year.

Thanks to all who voted.

Karl Geiger

Buenaventura Section Secretary 2012-, Chair 2011-2012

Job Opportunities



TEST ENGINEER

Alfred Mann Foundation (www.aemf.org) in Valencia is searching for an EE with both hardware and software. 5+ years of system test related experience with advanced knowledge of medical devices.

Contact

Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com

DIRECTOR – DESIGN ASSURANCE

Premier Ventura County company – must have medical device experience.

Contact

Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com

QUALITY ENGINEER

Pasadena medical device company – 3 to 5 years experience in process/testing. Class II or III device experience.

Contact

Pat Jacobs

805-579-0630

pat.jacobs@advancedpersonnelprofiles.com

MECHANICAL AND ELECTRICAL ENGINEERS

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

Communications Society Election

ComSoc will hold officer elections at its first meeting in February 2013. If you are interested in volunteering or working as an officer in the ComSoc Chapter, please contact Victor S. Lin at vslin@ieee.org.

Victor S. Lin
Buenaventura Section ComSoc Chair

New EMBS Officers

The Engineering in Medicine and Biology Society (EMBS) has a new slate of officers for 2013. They are:

- Bob Rumer, Chair
- Abigail Parks (nee Corrin), Vice Chair
- Pat Jacobs, Secretary
- Steve Johnson, Treasurer
- Richard Firth, Program Officer

Congratulations to the EMBS team and thanks to everyone who helped in 2012. The new EMBS officers look forward to seeing you at upcoming meetings.

Bob Rumer
Buenaventura Section EMBS Chair

The Day Before the Day Before the World Ends Mixer

Almost forty people met at the 19 December mixer event. Members met each other and even a few business introductions were made.

For photos, please visit

<http://www.ieee-bv.org/2012/12/the-day-after-the-day-before2the-world-ends/>

We look forward to meeting and talking with you at our next mixer event.

Karl Geiger
Buenaventura Section Secretary 2012-, Chair 2011-2012

**SR. ELECTRICAL ENGINEER
Bioness** (www.bioness.com) in Valencia is searching for EE with medical device experienced preferred. Must be hands on and have project mgmt. skills. 20% travel required including some international.

Contact
Pat Jacobs
805-579-0630
pat.jacobs@advancedpersonnelprofiles.com

SR. PRINCIPAL ELECTRICAL ENGINEER

Second Sight (www.2-sight.com) in Sylmar is looking for a very experienced EE with RF and communication protocol experience. Medical device preferred.

Contact
Pat Jacobs
805-579-0630
pat.jacobs@advancedpersonnelprofiles.com



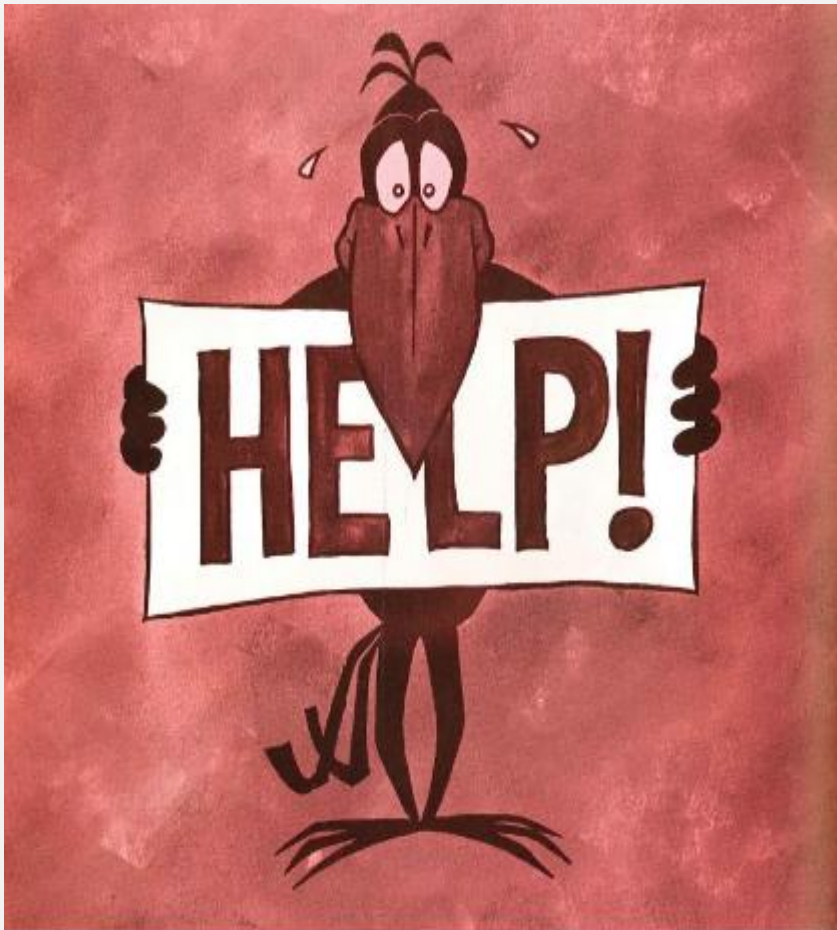
Have News or Announcements?

If you have an event or news, IEEE or otherwise, that is of interest to IEEE members please send it to Karl Geiger, 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 Karl or a Chapter chair.

--Karl Geiger, Section Secretary



...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.

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and appear in both newsletter and online.

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Placement information](#) to advertise or sponsor
the Section.



Section and Chapter Events

IEEE BUENAVENTURA SECTION Aerospace & Electronics Systems Chapter, Electron Devices/Circuits & Systems Chapter, & Life Members Affinity Group



Obsolescence - The Underside of the COTS Iceberg

Date: Thursday, Jan 24, 2013

Time: 6:30 pm Refreshments and Networking,
7:00 pm Talk

Venue: Vitesse Semiconductor Corp.
741 Calle Plano, Camarillo, CA 93012

When Commercial Off The Shelf technology (COTS) was first applied to military systems, it was viewed by many as a panacea, offering low-cost coupled with reduced NRE and rapid time-to-market. Now that we have well over a decade or so of COTS applications under our belt it is clear that there is no "free lunch" and that, while COTS is a fairly new solution to many of our challenges, it also offers its fair share of new problems. This one hour lecture examines some of those problems and offers some thoughts on potential solutions.

This lecture offers a brief COTS introduction and then takes attendees on a "field trip" to an actual COTS obsolescence upgrade program. The program involved a computer replacement, instrument upgrade and rehost of approximately 400KSLOC of real-time, concurrent, asynchronous software code on a complex missile test system. The field trip allows attendees to visit many of the problems that were experienced en route, together with their cause, effect and occasional mitigation.. To provide a little entertainment, Grandmother will tag along to review the COTS lessons in the light of "conventional wisdom" and offer intermittent commentary.

Please RSVP to Sunil Pai (paisunils@ieee.org) if you wish to attend this meeting.

Speaker: Michael T. Ellis, Northrop Grumman

Mr. Ellis has over three decades of broad technical and management experience in Aerospace and Electronics, with over twenty five years of direct involvement in maintenance testing of almost every military aircraft and numerous other weapons systems. He has managed the development of eight major ATE systems and over one thousand Test Program Sets (TPS). As President of his own consulting company, Test Automation Inc., he has acted as a consultant for numerous government and aerospace organizations for over twenty years. Mr. Ellis is currently employed by Northrop Grumman as Product Line Manager for all the corporation's Ring Laser and Zero-Lock Gyro Navigation Systems. He runs and lectures at the annual IEEE AUTOTESTCON Seminar Program, has published approximately forty technical papers and over one hundred articles on test technology and management. He served as US Editor for "Test!" magazine for many years. Mr. Ellis holds a B.Sc. (Hons.) from Northern Polytechnic., London, UK., and an M.S. from Long Island University. He is the recipient of the IEEE AUTOTESTCON Frank McGinnis Memorial Award for lifetime contributions to ATE technology and the National Defense Industrial Association John Slattery Memorial Award for innovation and integrity in test.

JOINT MTG: AECS, EDCAS, LMAG



Learn about considerations for protecting your inventions from a practicing Patent Agent in Pasadena, Nicole Ballew Chang.

Nicole Ballew Chang – Christie Parker Hale LLP



Nicole Ballew Chang is a patent agent in the Glendale office of Christie Parker Hale LLP. Dr. Chang prosecutes patents in biotechnology and the life sciences, including pharmaceuticals, antibodies, methods in molecular and cellular biology, diagnostics, immunology, and small molecule chemistry. After receiving her doctorate in Molecular and Cellular Biology from Dartmouth College, she was a scientific writer for GlycoFi, Inc. in New Hampshire, and a Technical Specialist/Patent Agent at Ladas & Parry, LLP in Manhattan. She has authored or co-authored numerous publications in refereed academic journals.

Dinner will be held in the Ahmanson Science Building. Dinner begins at 6 pm and the presentation at 7 pm in the Ahmanson Science Building.

As always, meetings are held at California Lutheran University. Dinner will be held at 100 Ahmanson Science Building at 60 West Olson Road, Thousand Oaks. We offer a sit-down buffet-style dinner for \$10 and hope that you will join us for networking. Looking forward to seeing you

Please note that the parking situation at California Lutheran University (CLU) has recently changed. Visitor parking is no longer available without a permit before 7 p.m. on [streets shown in red on the map](#). Please Park in “G” lots. If you would like a one-evening on-street parking permit (readily available at no cost), or desire assistance walking to / from the Ahmanson Science Center, ask at the CLU Welcome Center or call CLU Public Safety at 805-392-3208. For more information, please see our [chapter web site](#). There is a [link to parking permits](#).



Neighboring Section, Professional Society, and Regional Events

VOLUNTEERS NEEDED

SWE Certification Fair - evening of Jan 31st 2013

**Do you have "letters" after your name? MBA, PMP, PE, RE, PhD, EIT, LEAN, 6 sigma, Black belt, Green Belt
If so, we need your help - The Ventura section of the Society of Women Engineers (SWE) is looking for
speakers for our certification fair in January.**

There are so many letters after people's names it becomes like alphabet soup.

- What do they mean?
- Do I need a certification or more education?
- How will it help me in my career?
- What does it take to get the certification?

Time will be available to discuss specifics with people who have collected the certifications and meet others who are studying or contemplating taking the same steps. We need two types of "speakers" - panel speakers and table speakers.

Panel Speakers

- What your certification/letters are? What the certification is for?
- Why did you get it? What impact it had on your career?
- What is involved in getting the certification?

Table Speakers

- In-depth questions and discussion.
- One-on-one or two conversations.
- Perhaps bring a handout/sheet with more information of a website to look for ideas, share helpful hints, etc.

The SWE Certification Fair will be held at the Pleasant Valley Instructional Center in Camarillo on Thursday evening, January 31st. Networking and mingling food will be provided. Cost is \$15 for members of any professional association (IEEE, SHPE, SWE, ASCE, ASME, APWA, etc), \$20 for others.

This is a great professional development and networking opportunity. Please plan to come even if you are not a speaker. We hope to have at least 20 speakers for this event, so don't be shy. If you know of someone who would be great for this, pass this invite on.

Please contact **Teri Keller**, VP_Programs@swe-sbv.org, to volunteer or myself if you have questions.

Sherisse Hughes

President, Society of Women Engineers

Ventura and Santa Barbara counties

805-844-2027 – cell

sherisse.hughes@gmail.com



**Society of
Women Engineers**

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**National Engineers Week Dinner
Ventura – Santa Barbara Counties
Residence Inn by Marriott at River Ridge
February 21, 2013**



Seeking Nominations for IEEE Buenaventura Engineer of the Year IEEE Buenaventura Project of the Year

National Engineers Week is February 17-23, 2013, and our annual Ventura and Santa Barbara Counties 2013 National Engineers Week Banquet will be held at the Residence Inn by Marriott on River Ridge in Oxnard on February 21st, 2013.

Each year this banquet provides an opportunity to socialize, network, recognize the excellent work of local engineers (both as individuals and as project teams), enjoy an interesting engineering and technology presentation by a guest speaker, and present scholarships to outstanding local college students.

An important part of our annual banquet is recognizing outstanding Engineers and Projects from our membership. This year, as in past years, your IEEE leadership team is soliciting nominations for an Engineer of the Year (EOY) and a Project of the Year (POY) for recognition at the banquet.

**For nomination forms, please contact
Doug Askegard at dougaskegard1@yahoo.com**

Completed nominations should be submitted to the same, and are due by January 15, 2013. Your IEEE leadership team will then review and select one EOY winner and one POY winner who will be invited to the banquet to receive their awards.

You are invited and encouraged to attend the event. Please contact Doug at the same email address for info on purchasing tickets. Thank you!

Buenaventura Section and Chapter Info

<u>Section Office 2012</u>	<u>Name</u>	<u>E-Mail</u>
Chair	Bridgeman Carney	bcarney@ieee-bv.org
Vice-Chair	Albert Wolfkiel	awolfkiel@ieee-bv.org
Treasurer	Zak Cohen	zcohen@ieee.org
Secretary	Karl Geiger	karl@ieee-bv-cs.org
Programs and Events	Ross Kocen	events@ieee-bv.org
Awards Chair	Christian Ziegler	awards@ieee-bv.org
PACE Events Chair		
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
Section Webmaster	Karl Geiger	webmaster@ieee-bv.org
Newsletter	Zak Cohen Karl Geiger	newsletter@ieee-bv.org

<u>Chapter</u>	<u>2012 Chair</u>	<u>E-Mail</u>
Aerospace	Momin Quddus	moming7@yahoo.com
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	Bob Rumer	chair@embs.ieee-bv.org
Life Members Affinity Group	Jerry Knotts	chair@lmag.ieee-bv.org
Microwave Technology and Techniques	Tom Campbell	chair@mtts.ieee-bv.org
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