



IEEE BUENAVENTURA SECTION

Your December 2013 Newsletter

Wed 11 Dec.	EMB and Computer	Finding a Job in Engineering Pat Jacobs, Craig Reinhart, Bob Rumer, Vineet Sarin <i>Wednesday, December 11, 2013 7 PM</i> <i>CLU - Richter Hall, Ahmanson Science Building</i> <i>Meeting Site:</i> California Lutheran University, 100 Ahmanson Science Building, 60 West Olson Road, Thousand Oaks. Meetings are free, open to the public. <i>Dinner:</i> Available at 6 p.m. for \$10 payable at the door, no RSVP needed
Thur 19 Dec.	RAS/IAS	Reorganize Meeting Date: December 19, 2013 Location & Time: TBD
Wed 29 Jan.	EMC	Using Current Probes for Laboratory EMC measurements By David Fischer Date & Time: January 29 2014 6:00PM Location: Thousand Oaks Library, Newbury Park Branch, 2231 Borchard Rd Newbury Park, CA 91320
Mon 6 Jan.	OpCom	Operating Committee Meeting 6:30 pm China Buffet, Thousand Oaks
Mon. 27 th Jan.	IEEE-BV Section Award banquet	IEEE-BV Section Award banquet Time and Venue: TBD

SECTION SPONSORS



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The IEEE

Membership News

Please join me in welcoming our newest members to the IEEE:

- Abdullah Saleh Aljbab
- Fahad Fodi Alanezi
- Fulayjan ALanazi
- Khaled Alyousefi
- Sina Dabiri
- Habib Alalwan



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.

--- Bridge Carney
IEEE Buenaventura Section Chair 2013-

Section News

Computer Society

The Computer Society Chapter is seeking new volunteers for officers and presentations. Please contact Craig Reinhart, CS Chapter Chair to volunteer or to speak at an upcoming meeting.

-- Craig Reinhart
CS Chair
craig@ieee-bv-cs.org

Robotics & Automation and Industry Applications Society (RAS/IAS)

The RAS/IAS Chapter is seeking new volunteers and presenters for officers and presentations in order to revitalize the Chapter. If interested please plan to attend a reorganization meeting on Dec. 19th.

contact: Doug Askegard dougaskegard@ieee.org

Connect with us on Facebook!

IEEE BV is now on Facebook, connect with us on Facebook to get updated on our events and latest happenings in and around the Ventura County!

<https://www.facebook.com/IEEEofVenturaCounty>

JOB OPPORTUNITIES



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

- **Systems Integration Test Engineer, Alfred Mann Foundation (www.aemf.org), Valencia**
3+ years of automated system testing. Experience with C/C++, Java, MATLAB and good knowledge of testing equipment. Develop test automated test system for V & V.

- **Electrical Engineer, Alfred Mann Foundation (www.aemf.org), Valencia**
BSEE, 3-5 years experience with analog and digital design and development of prototypes. Inductive power & communication experience a plus.

- **Quality Engineer at Second Sight, Sylmar**
Quality Engineer with medical device and quality systems experience.

- **Sr. Software – Second Sight (www.2-sight.com), Sylmar**
Extensive experience developing web applications with Javascript. Prefer Javascript, node.js, HTML5, CSS3, AJAX, socket.io, JQuery, JSON, MATLAB & Subversion

- **Field Clinical, Clinical Research Associate & Clinical Project Manager**
Job openings at Bioness, Alfred Mann Foundation and Second Sight. Must have device experience.

- **Sr. Mechanical Engineer – Bioness (www.bioness.com), Valencia**
5+ years experience, 3D CAD software, vendor management, mechanical design. 20-30% travel. Medical device preferred.

Contact: Abby Hairabedian , 805-388-1711 ext. 332 ahairabedian@dex.com

- **Senior Electrical Engineer**
Camarillo company is looking for a Sr. Electrical Engineer to design/develop test processes for electronic assemblies such as wind turbine control systems and computer networks used in the medical equipment industry. 10+ years experience. Knowledge of high-power RF, Visual Basic, Lab View. More info at dex.com.

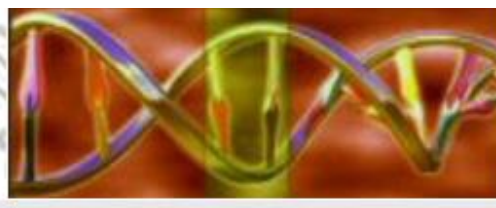
- **Engineering Technician**
Camarillo company looking for Technician to build electronic test setups for electronics systems, assemblies, and circuit boards in wind energy and healthcare devices. 5+ years electronic troubleshooting, testing and repairs at the component level. Electro-mechanical experience. Ability to read mechanical and electrical drawings. Good communication skills. More info at dex.com.



Looking for Academic, Scientific, or Engineering Talent?

Advertise with the IEEE Buenaventura Section 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

Upcoming IEEE Buenaventura Section Events



Finding a Job in Engineering

Pat Jacobs, Craig Reinhart, Bob Rumer, Vineet Sarin

Wednesday, December 11, 2013 7 PM

CLU - Richter Hall, Ahmanson Science Building - co-sponsored by the IEEE Buenaventura Section Computer Society

Join us for our annual panel discussion on finding a job in Biotech and Computer Science. As in previous years, speakers from industry and academia will help you to prepare for your job search.

Pat Jacobs, Craig Reinhart, Bob Rumer, Vineet Sarin



Pat Jacobs is the CEO of Advanced Personnel Profiles, a pre-employment screening agency and technical recruiter for the biomedical device and biotech industries. She is also the Executive Recruiter for Bioness, Inc.

Craig Reinhart, Ph.D. is Associate Professor of Bioengineering, Physics, and Computer Science at CLU. He is the author of numerous articles and conference papers, and is currently a software / image processing algorithm consultant to Red Digital Cinema. He previously worked at Hughes Aircraft and Rockwell International.

Bob Rumer, M.S. is President of La Reina High School, currently on leave from his position as Lecturer at CLU. Bob has 25 years of experience in design, management, and marketing of medical instruments, computers, storage systems, and semiconductors.

Vineet Sarin, Ph.D. is the President of Kinamed, Inc., a medical device company in Camarillo. Vineet has an M.S. and Ph.D from Stanford University, where he was both Stanford and National Science Foundation Graduate Fellow. He is a member of the Tau Beta Pi Engineering Honor Society.

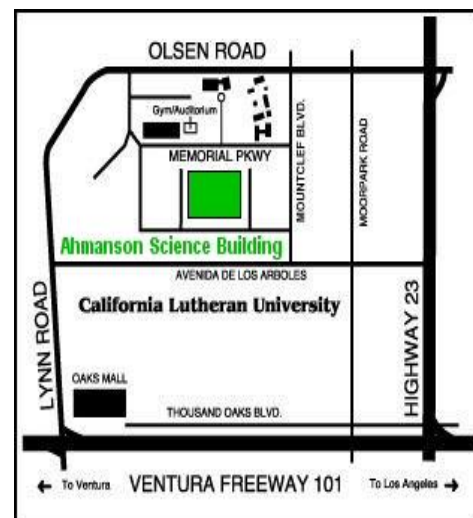
Meeting Site: California Lutheran University, 100 Ahmanson Science Building, 60 West Olsen Road, Thousand Oaks. Meetings are free, open to the public.

Dinner: Available at 6 p.m. for \$10 payable at the door, no RSVP needed.

Parking: In general, visitor Parking is no longer permitted before 7 p.m. on Memorial Parkway and adjacent street. However, CLU Public Safety has provided us with [parking passes](#) to download and use.

Contact: Steve Johnson, sjohnso@ieee.org

Our Sponsors: [California Lutheran University](#), [IEEE EMB Society](#), [Alfred Mann Institute](#), [MicroJoining Solutions](#), [IEEE Buenaventura Section](#), [Amgen Foundation](#)





Reorganizational Announcement

If you are new to this area, you may not know we had a very active Robotics & Automation Society / Industry Applications Society Chapter here in Buenaventura Section a few years ago.

Karl Meier founded the RAS/IAS Chapter in 2007 and with the help of a couple of volunteers, the Chapter presented many interesting talks for over two years on robotics and their application in industry. Unfortunately, the founding leadership team was not able to continue in their rolls and the Chapter fell silent without new leaders.

Recently, some RAS and IAS members have expressed interest in helping to revitalize the Chapter so that meetings and presentations can resume. This small group includes:

Karl Meier

Mark Fisher

Alex Mladenovic

Doug Askegard

Gary Block

Dennis Horwitz

We are proposing to meet on Thursday evening, December 19th to do some planning of activities for 2014. If you are interested in helping to get the RAS/IAS Chapter operating again, please contact:

Doug Askegard

dougaskegard@ieee.org

Thank you for your interest & support!



The IEEE Buenaventura EMC Society

is pleased to present

Using Current Probes for Laboratory EMC measurements

By David Fischer

David Fischer of Fischer Custom Communication will give a presentation on the use of current and near field probes for troubleshooting and measuring EMC levels without the use of an EMC test chamber.

Questions? Please forward them to mnicholls@a-m-c.com.

Date & Time: January 29 2014 6:00PM

Location: Thousand Oaks Library
Newbury Park Branch
2231 Borchard Rd
Newbury Park, Ca 91320

Since 1971, **Fischer Custom Communications, Inc.** has pioneered the development of state of the art EMC equipment.

Fischer Communications specialize in electric and magnetic field sensors, generators, and instrumentation to insure that appliances, tools, and instrumentation meet FCC, FAA, Military, European and Asian regulations for electromagnetic emissions and immunity.

Fischer Communications develop application focused transient protection devices for sensitive electronic systems from lightning, EMP and HPM threats.

OTHER IEEE SECTION EVENTS
IEEE Coastal Los Angeles Section (CLAS) Events



IEEE Radio and Wireless Symposium



19 - 22 JANUARY 2014, NEWPORT BEACH, CA, USA

<http://www.radiowirelessweek.org/>

Radio and Wireless Symposium Presents the 2014 Industrial Forum



Tutorial Workshop on RF and Microwave Filter Design

Monday Jan. 20, 9:00-17:00

Organizer and Speaker: H. Clark Bell

This course will present design basics for passive RF and microwave filters. Included will be discussions of performance parameters, types of filter responses, estimating filter performance, characteristics of various filter technologies, specifying filters realistically to avoid surprises, and use of filter design software. Specific topics will include two-port parameters; lowpass and highpass ladders; Chebyshev filter; immittance inverters and narrow-band design; resonator Q, delay and loss, and lossy coupling; TEM bandpass filters and bandstop filters; waveguide bandpass filters; general coupled-resonator prototype; loss approximation, the elliptic function filter; realization polynomials and immittances; bandpass filters with cross couplings; dual mode filters; environmental effects on filter performance.

Registration for the Filter Tutorial Workshop

<http://rww2014filter.eventbrite.com>

Contact c.jackson@ieee.org for more information

The Industrial Forum includes an exhibit, Wireless Apps (similar to uApps) and special hardware demonstrations given by researchers

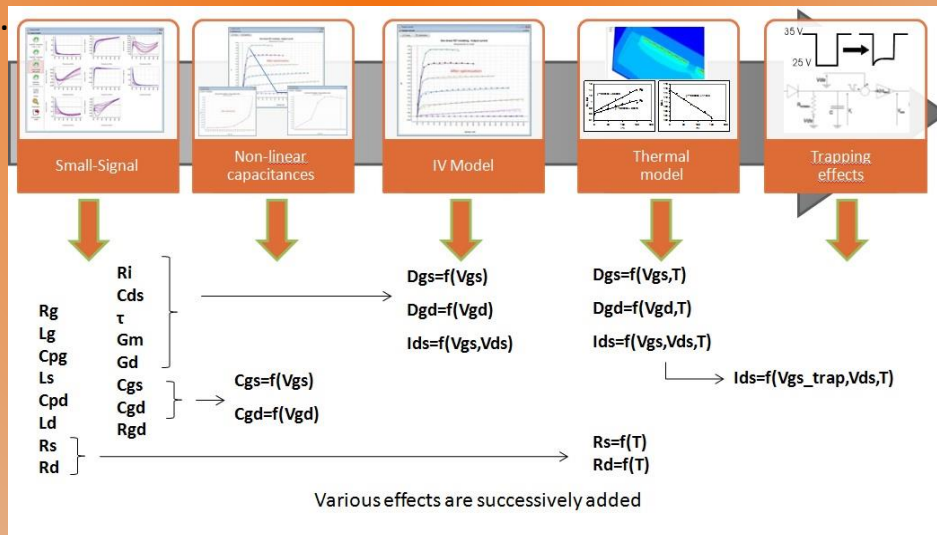
<http://www.radiowirelessweek.org/>



Radio and Wireless Symposium Presents the 2014 Industrial Forum

Characterization of High Power Devices Wednesday Jan. 22, 9:00-17:00

Device characterization is an essential process in many aspects of research, development and testing of RF and microwave devices. To the inexperienced, this might seem intimidating or even scary. In this course, we will explore various interconnected topics of device characterization that form the amplifier design flow. Topics include pulsed IV and S-parameters for compact model extraction, load pull for model validation and measurement, amplifier design and IC stability analysis, X-parameter modeling and system-level simulations.



Registration for the Device Characterization Workshop

<http://rww2014device.eventbrite.com>

Contact c.jackson@ieee.org for more information

The Industrial Forum will include an Exhibit, Wireless Apps (similar to uApps) and special hardware demonstrations given by researchers

<http://www.radiowirelessweek.org/>



IEEE BUENAVENTURA SECTION

Buenaventura Section and Chapter Info

<u>Section Office 2012</u>	<u>Name</u>	<u>E-Mail</u>
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Communications	David Pehlke	chair@comsoc.ieee-bv.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/>

Aerospace, ED/CAS, Life Members, Microwave, Power and Energy, Robotics,
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