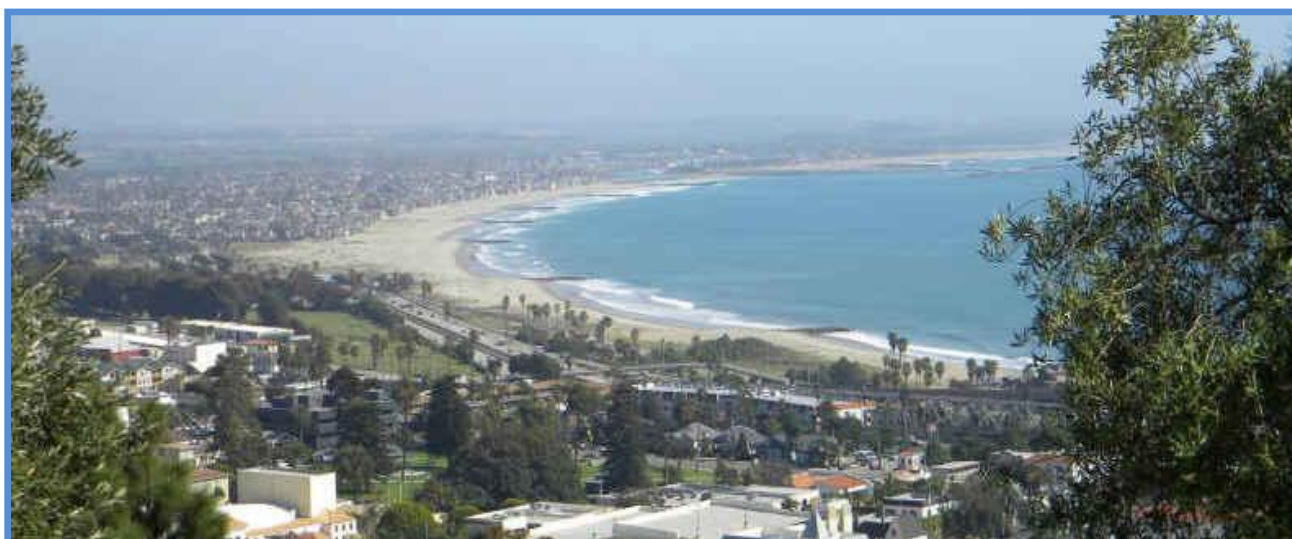


# **IEEE BUENAVENTURA SECTION**

## **APRIL 2014 NEWSLETTER**



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Join Our **Facebook Page!** - [facebook.com/IEEEofVenturaCounty](https://facebook.com/IEEEofVenturaCounty)

# *EVENTS*

<b>Wednesday 9<sup>th</sup> April 6:30PM</b>	<b>RAS/CAS</b>	<b>Follow Your Heart in Your Career: The Perspective from a Transformational Engineer</b>  Speaker: David Collins, EE, Life Senior Member Location: Rm 100, Ahmanson Science Center Aud. CLU campus, 60 Olsen Road, T.O., CA RSVP: Doug Askegard at doughtaskegard@ieee.org
<b>Thursday 10<sup>th</sup> April 3:30 PM- 7:00PM</b>	<b>Dedicated to the national defense By SAME</b>	<b>2014 Business Opportunities/Sustaining Members' Forum</b>  Location: Seabee Museum located at 1001 Addor Street adjacent to the Naval Base Ventura County (NBVC) Port Hueneme site. Please RSVP by filing form in the main article to (805) 982-2918 or e-mail it to LT Chris Fairfield at chris.fairfield@navy.mil
<b>Sponsorship Deadline – APRIL 11<sup>th</sup>! Golf Tournament (April 25<sup>th</sup>), Friday</b>	<b>SAME (Society of American Military Engineers) Oxnard/ Ventura</b>	<b>19th Annual SAME Golf Tournament SPONSORSHIP COMMITMENT FORM</b>  Contributions and donations are fully tax deductible 100% of proceeds benefit SAME scholarship fund SAME Tax ID#: 95 6096022 Deadline is April 11th, 2014 Seabee Golf Course, Naval Base Ventura County, Port Hueneme, California. The shotgun tournament will begin at 9:00am, Registration begins at 7:30am
<b>Saturday 12<sup>th</sup> April 8:30AM- 4:00PM</b>	<b>IEEE USA</b>	<b>Join Us for a Full-Day Consultants Workshop</b> Where: DeVry University's Pomona Campus (Pomona, Calif.)  Register today! at <a href="https://meetings.vtools.ieee.org/meeting_view/list_meeting/24077">https://meetings.vtools.ieee.org/meeting_view/list_meeting/24077</a> Topics will include: Improving your networking skills, Legal Concerns for Consultants? , How to find clients and entrepreneurship
<b>Wed 30 April 7 PM</b>	<b>EMBS</b>	<b>Early Physical Diagnosis of Alzheimer's Disease using smartphones in telemedicine networks.</b> Boguslaw Kuszta, Center for Clinical Neuroengineering in Lublin, Poland  <b>Location:</b> CLU - Ahmanson Science Building, Contact: Steve Johnson, sfjohnso@ieee.org
<b>Monday 28<sup>th</sup> April 6:30 PM</b>	<b>OpCom</b>	<b>Operating Committee Meeting</b> 6:30 pm China Buffet, Thousand Oaks

## Membership News

### **Hi Everyone!**

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

- ✚ Iradj Shahriary
- ✚ John Maxwell
- ✚ Michael Laverty
- ✚ Sami Alharthi
- ✚ Sandra Suttiratana
- ✚ Sarah Suttiratana
- ✚ Sultan Alenezi
- ✚ Zoe Hay



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 2014**

## 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](mailto:craig@ieee-bv-cs.org)**

## **JOB OPPORTUNITIES**



**Contact Pat Jacobs -- 805-579-0630**

[pat.jacobs@advancedpersonnelprofiles.com](mailto:pat.jacobs@advancedpersonnelprofiles.com)

**+ Software Manager, Alfred Mann Foundation ([www.aemf.org](http://www.aemf.org)), Valencia**

10 years experience with management. Prefer medical device or regulated industry.

**+ Quality Engineer at Second Sight, Sylmar**

Two position for experienced Quality Engineers with medical device experience. One position focused on **quality systems** and the other is for a **Principal Engineer**.

**+ CLINICAL PROJECT MANAGER at Alfred Mann Foundation. Must have device experience.**

**+ Product Managers, Bioness ([www.bioness.com](http://www.bioness.com)), Valencia**

Two product manager positions, one focused on technology and the other strategy. Travel is required and must be experienced with medical devices.

**Contact Pat Jacobs -- 805-579-0630** [pat.jacobs@advancedpersonnelprofiles.com](mailto:pat.jacobs@advancedpersonnelprofiles.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](mailto:newsletter@ieee-bv.org) or see our [Ad Placement information](#) to advertise or sponsor the Section.



**IEEE life members  
Buenaventura Chapters**

## ***Follow Your Heart in Your Career: The Perspective from a Transformational Engineer***

**Speaker: David Collins, EE, Life Senior Member**

**Date: Wednesday, April 9, 2014**

**Time: 6:30 pm pizza meet & greet; 7:00 pm Talk**

**Location: Rm 100, Ahmanson Science Center Aud.**

**CLU campus, 60 Olsen Road, T.O., CA**

**RSVP: Doug Askegard at [dougaskegard@ieee.org](mailto:dougaskegard@ieee.org)**



**Talk Description:** Society's problems have become multidisciplinary in nature. In our journey to solve them, we have discovered other disciplines that hold part of the solution that we need to implement. Exposure to new fields of knowledge leads us to branches in our career paths. There is the safe path and there is the path that leads to who knows where. There is a linear solution and a non-linear solution to which path to choose. David Collins has been at these crossroads inviting him to take new roads with unknown destinations. This journey led David to become a transformational engineer, an emerging discipline of engineering that leading universities have added to their curriculum. David Collins will show that there is no "correct" path. The lesson he has learned is to allow yourself to follow your heart to build your future.

**David Collins, EE, IEEE Life Senior Member** has advanced the art of engineering over 45 years in several technical disciplines including aircraft and space systems, amusement ride mechatronics and robotics, industrial automation systems, optical systems, alternative energy systems and computers to name a few. Mr. Collins is a recognized translational engineer, technical innovator, and skilled project manager in advanced tactical systems development and POC testing, ECM systems development and flight test, decoy and deception systems development, space flight controller system design, spacecraft sensor system design, advanced color HUD camera system development, fail-to-safe sensor applications, airborne and shipboard test management, medium power laser systems development, laser-based sensor system evaluation, air-vehicle health monitoring sensor investigation, motion simulator systems development, application of theory of constraints for system optimization, and specifications and standards compliance analysis. David Collins is Principal of TEAM IX, a firm established to provide design, development, commissioning, operational and maintenance training for a number of world-wide clients. David Collins is a Senior Member and a Life Member of IEEE. TEAM IX also provides independent, forensic assessment and expert testimony in amusement ride related matters.



**Parking:** Do not park in the faculty/staff lots. Free parking is available in the [visitor lot](#) at the corner of Olsen Road and Mountclef Boulevard. Alternatively, CLU Public Safety has provided us with [parking passes](#) for on street parking.



DEDICATED TO THE NATIONAL DEFENSE



## The Society of American Military Engineers

### Oxnard-Ventura Post



#### Business Opportunities/Sustaining Members Forum

**You are cordially invited to attend the 2014 Business Opportunities/  
Sustaining Members' Forum to be held Thursday, April 10, 2014, 3:30 PM to 7  
PM at the Seabee Museum located at 1001 Addor Street adjacent to the Naval Base  
Ventura County (NBVC) Port Hueneme site.**

Ten agencies have been invited to present their 2014 Capital Projects Program. These agencies are listed at the bottom of the invitation. Refreshments will be served beginning at 3:30 PM and the presentations will begin promptly at 4 PM. Beginning at 6 PM, the Oxnard-Ventura Post will host a social networking hour with hors d'oeuvres and spirits where you may meet the presenters face to face and obtain more detailed information.

The Seabee Museum is located just north of the NBVC Port Hueneme site Sunkist Gate off North Ventura Road. Parking is free at the museum and no base access is required. Please plan on arriving by 3:45 PM.

Please RSVP by completing and faxing this invitation to (805) 982-2918 or e-mailing it to LT Chris Fairfield at [chris.fairfield@navy.mil](mailto:chris.fairfield@navy.mil), (805) 982-2883.

Name \_\_\_\_\_ Organization \_\_\_\_\_

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Email \_\_\_\_\_

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Oxnard, City of

Port of Hueneme

Port Hueneme, City of

San Buenaventura, City of

United Water Conservation District

Simi Valley, City of

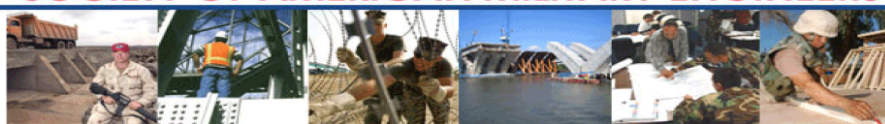
Thousand Oaks, City of

Ventura County Military Bases

Ventura, County of

USACE Los Angeles District

Moorpark, City of



***19<sup>th</sup> Annual SAME Golf Tournament***  
***SPONSORSHIP COMMITMENT FORM***  
**Friday – April 25<sup>th</sup>, 2014**

**Seabee Golf Course, Naval Base Ventura County, Port Hueneme, California**

**The shotgun tournament will begin at 9:00am, Registration begins at 7:30am**

- ☐ **Tournament Partners Package (\$1000)**
  - Tournament fees for a Foursome of golfers.
  - Golf hole sponsorship, to include your firm's sign on a tee box.
  - Public recognition at the lunch following the tournament.
  - Special recognition in the advertising used to promote the tournament
- ☐ **Tournament Sponsors Package (\$750)**
  - Tournament fees for a Foursome of golfers.
  - Golf hole sponsorship, to include your firm's sign on a tee box
  - Public recognition at the lunch following the tournament.
- ☐ **Super Donor Package (\$500)**
  - Tournament fees for a Foursome of golfers.
  - Public recognition at the lunch following the tournament.
- ☐ **Golf Hole Sponsor Package (\$100)**
  - Golf hole sponsorship, to include your firm's sign on a tee box
- ☐ **Tournament Registration (\$80 per person)**
  - Includes 18 holes, golf cart, breakfast, lunch, and chances to win great prizes!
- ☐ **Straight Donation (Any amount appreciated)**
  - Public recognition at the lunch following the tournament.

**Contributions and donations are fully tax deductible  
100% of proceeds benefit SAME scholarship fund  
SAME Tax ID#: 95 6096022**

**Deadline is April 11<sup>th</sup>, 2014**

**Wanted!!!**

**Door Prizes!**

We welcome fun pens, koozies, ball caps, golf balls, or anything else you would like to contribute. You need not be a participant or a sponsor to contribute prizes, with or without your company logo.

Please contact LTJG George Fischer @ [George.fischer@navy.mil](mailto:George.fischer@navy.mil)  
or (937) 829-3142

**Please send form and donation to:**

LTJG Alex Rovinsky  
SAME Ventura-Oxnard Post  
P.O Box 4377  
Port Hueneme, CA 93043  
[alexander.rovinsky@navy.mil](mailto:alexander.rovinsky@navy.mil)  
805-982-4029



## Join Us for a Full-Day Consultants Workshop

**Where: DeVry University's Pomona Campus** (Pomona, Calif.)

**When: 12 April 2014 | 8:30 AM - 4:00 PM (US PST)**

The IEEE-USA Alliance of IEEE Consultants' Networks Coordinating Committee is collaborating with the IEEE Consultants Network of Orange County/Los Angeles Area Consultants Networks to bring to the Southern California area a [full-day workshop](#) that will cover a range of issues that will interest consultants. Topics will include:

- Improving your networking skills
- Legal Concerns for Consultants?
- How to find clients and entrepreneurship
- 

This full-day workshop will also include a closing panel discussion featuring engineering consultants who will address any final questions from workshop participants. The workshop will take place at DeVry University's Pomona Campus on Saturday, 12 April 2014. Cost for this workshop will be \$40.00 for IEEE members. Registration Fee for students will be \$20.00 and \$60.00 for non-members. [Register today!](#) at

[https://meetings.vtools.ieee.org/meeting\\_view/list\\_meeting/24077](https://meetings.vtools.ieee.org/meeting_view/list_meeting/24077)

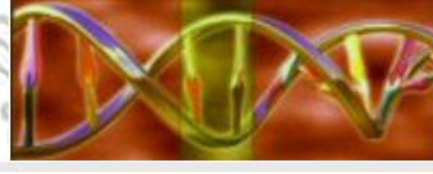
IEEE-USA | 2001 L St NW Suite 700 | Washington, D.C. 20036

[www.ieeeusa.org](http://www.ieeeusa.org)

<b>8:30am – 9:00am</b>	<b>Registration, Coffee and Muffins</b>
<b>9:00am – 9:10am</b>	<b>Welcome &amp; Opening Remarks</b>
<b>9:10am – 10:00am</b>	<b>How to Stimulate and Hone your Networking Skills</b>
<b>10:10am – 11:00am</b>	<b>Being an Engineering Consultant: What Does it Take?</b>
<b>11:10am - 12:00pm</b>	<b>Intellectual Property and Potential Legal Concerns</b>
<b>12:00pm – 1:00pm</b>	<b>Lunch &amp; Networking</b> (included with registration fee)
<b>1:00pm – 1:50pm</b>	<b>How to Find Clients Using Networking and Internet</b>
<b>2:00pm – 2:50pm</b>	<b>Start-up Tactics</b>
<b>3:00pm – 4:00pm</b>	<b>Closing Panel Discussion - Ask the Consultants</b>

Bill Grist, IEEE-USA Alliance of IEEE Consultants Networks Coordinating Committee;  
Hermann Amaya, IEEE-USA Alliance of IEEE Consultants' Networks Chair;  
Wes Masenten, IEEE Consultants Network of Orange Co. CA, Chair;  
Kip Haggerty, PhD, PE, 20-year LAA/OCCN Member/past Officer  
Gary Blank, 2014 IEEE-USA President





## Early Physical Diagnosis of Alzheimer's Disease using smartphones in telemedicine networks

Boguslaw Kuszta, Center for Clinical Neuroengineering in Lublin, Poland

*Wednesday, April 30 2014 7 PM*

*CLU - Ahmanson Science Building*

In order to successfully fight Alzheimer's Disease (AD), it is necessary to diagnose a person's predilection towards the disease, approximately thirty years in advance, prior to any clinical symptoms. Anyone who has increased risk factors for the disease should perform such a diagnosis.

The diagnosis is performed by measurement of a single drop of blood drawn from a person's finger. However, the process needs to be performed over 30-45 consecutive days. The most practical solution is to perform the measurements at home using a sensor that is connected to a home computer, or a smartphone. All the necessary technological tools already exist, and such a method of testing is widely accepted by the public via blood sugar testing by diabetics. The only missing component is the organization of a telemedical network.



### *Boguslaw Kuszta Ph.D., D.Sc.*

Boguslaw Kuszta, Ph.D., D.Sc. taught electronics and control theory at Warsaw Technical University, Poland, 1968-1975. In 1980 he came to California Institute of Technology, Pasadena, CA, as a Visiting Faculty and in 1988 he became a Director of Undergraduate Laboratory in Chemical Engineering Department, Caltech. Dr. Kuszta retired at 2002 but three years later became the Director of the Center for Clinical Neuroengineering in Lublin, Poland.

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

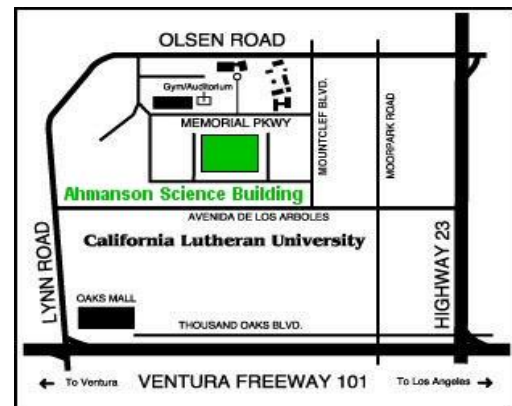
**Dinner:** Available at 6 p.m. for \$10 payable at the door, no RSVP needed.

**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, [sfjohnso@ieee.org](mailto:sfjohnso@ieee.org)

**Our Sponsors:** California Lutheran University, IEEE EMB Society, Alfred Mann

Institute, MicroJoining Solutions, IEEE Buenaventura Section, Amgen Foundation



## **OTHER EVENTS & NEWS!**



**Science and Engineering  
Council of Santa Barbara**

**RSVP Required:** Please register by **Monday, April 7** so that we can provide an accurate count of the number of meals needed. Pay online by credit card or PayPal or at the door by cash or check.

### ***The 59th Annual Santa Barbara Science Fair: Winners in 2014***

A goal of the Santa Barbara Science Fair is to stimulate students to take an active interest in the study of engineering and science by initiating and completing projects of their own choosing. The SEC and its members fully support this event, and we are pleased to recognize the Science Fair winners and their mentors.

**Introductory remarks by Richard Schapker, SEC Science Fair Chairman**

**WINNERS LIST - 59<sup>th</sup> Annual S.B. County Science Fair (March 7, 2014)**  
**Prizes awarded by the Science & Engineering Council of Santa Barbara, Inc.**

***Click Here to RSVP!***

***This meeting is sponsored in part by Reicker, Pfau, Pyle and McRoy,***  
***Attorneys***

**For information about the Science & Engineering Council.**  
**visit the SEC web page at <http://www.scieng.org>**

Our meetings are held at the Santa Barbara Elks Club at 150 N. Kellogg Avenue, just off Calle Real in Goleta. Please park on the mountain side of the Elks building and use the front door. SEC meets in the first room to the left. When you RSVP, you can choose either the hot meal option or an endless salad and soup bar. (If you do not RSVP, you may be limited to the salad bar option only.) Both options include drinks and dessert.

# **First Edition of the Digital Spectrum New Career Guide & FREE webinar titled - Job Seeker or Opportunity Magnet?**

With the April digital issue of IEEE Spectrum, IEEE Publications presented the **First Edition of the Digital Spectrum New Career Guide**.

IEEE Spectrum has offered a dedicated recruitment advertising section in the print magazine since 1964. The Publications team thought it was now time to provide engineers-to-be and new engineers their own annual digital publication to help with the ever-changing world of the job hunt. This publication will also provide a great refresher for those engineers who are jumping back in to the job hunt game as well. To access the digital publication you can either [download the PDF](#) version or [view it in your browser](#). In addition to the new digital publication, **IEEE Job Site will be hosting a FREE webinar titled - Job Seeker or Opportunity Magnet?** - to help you obtain all the necessary tools you'll need to confidently go out into the job market and land your ideal job.

In this 45 minute presentation you will learn:

- Why most job seekers waste huge amounts of time and what you can do differently
- Where top companies hunt for talent and what you can do to help catch their attention
- Three simple job search strategies that consistently deliver exceptional results
- One powerful mindset shift that will set you up for lifelong career success
- What really distinguishes an opportunity magnet from a job seeker – and how you can become one

As a **special offer to attendees\*** of this upcoming Webinar, we're **offering a free downloadable edition of Michael's book - Purple Squirrel: Stand Out, Land Interviews and Master the Modern Job Market**.

For more information, check out the [webinar website](#). To register for the “[Job Seeker or Opportunity Magnet?](#)” Webinar, [visit the registration page](#).

Please be sure to share this important information by simply forwarding this message. Also feel free to take advantage of this opportunity for yourselves.

\* You must attend the actual Webinar in order to obtain the Promo Code for your free downloadable edition of Purple Squirrel: Stand Out, Land Interviews and Master the Modern Job Market. Download available on various eReaders (Kindle, Nook, ePub, Mobi, and LRF formats). Also can be read on DropBox.



### Buena Ventura Section and Chapter Info

<u>Section Office 2012</u>	<u>Name</u>	<u>E-Mail</u>
Chair	Bridgeman Carney	<a href="mailto:bcarney@ieee-bv.org">bcarney@ieee-bv.org</a>
Vice-Chair	Albert Wolfkiel	<a href="mailto:awolfkiel@ieee-bv.org">awolfkiel@ieee-bv.org</a>
Treasurer	Zak Cohen	<a href="mailto:zcohen@ieee.org">zcohen@ieee.org</a>
Secretary	Karl Geiger	<a href="mailto:karl@ieee-bv.org">karl@ieee-bv.org</a>
Programs and Events	Ross Kocen	<a href="mailto:events@ieee-bv.org">events@ieee-bv.org</a>
Awards Chair , Member Development PACE Events Chair	Christian Ziegler	<a href="mailto:awards@ieee-bv.org">awards@ieee-bv.org</a>
Historian	Doug Askegard	<a href="mailto:dougaskegard@ieee.org">dougaskegard@ieee.org</a>
Past Chair	Karl Geiger	<a href="mailto:karl@ieee-bv.org">karl@ieee-bv.org</a>
Sr. Representative, LA Council	Bridgeman Carney	<a href="mailto:bcarney@ieee-bv.org">bcarney@ieee-bv.org</a>
Representative, LA Council	John Wright	<a href="mailto:j.wright@ieee.org">j.wright@ieee.org</a>
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Newsletter	Zak Cohen Karl Geiger Gaurav Mahajan	<a href="mailto:newsletter@ieee-bv.org">newsletter@ieee-bv.org</a>

<u>Chapter</u>	<u>2013 Chair</u>	<u>E-Mail</u>
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Communications	David Pehlke	<a href="mailto:chair@comsoc.ieee-bv.org">chair@comsoc.ieee-bv.org</a>
Computer	Craig Reinhart	<a href="mailto:reinhardt@callutheran.edu">reinhardt@callutheran.edu</a>
Electron Dev./Circuits and Systems	Sunil Pai	<a href="mailto:chair@edcas.ieee-bv.org">chair@edcas.ieee-bv.org</a>
Engineering in Medicine and Biology	Bob Rumer	<a href="mailto:chair@embs.ieee-bv.org">chair@embs.ieee-bv.org</a>
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Microwave Technology and Techniques	Tom Campbell	<a href="mailto:chair@mtts.ieee-bv.org">chair@mtts.ieee-bv.org</a>
Power and Energy	Bridge Carney	<a href="mailto:bcarney@ieee-bv.org">bcarney@ieee-bv.org</a>
Robotics	Bob Rumer	<a href="mailto:rrumer@callutheran.edu">rrumer@callutheran.edu</a>

### Also be sure to check the Section's websites for the latest updates:

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<a href="http://comsoc.ieee-bv.org/">http://comsoc.ieee-bv.org/</a>	Communications
<a href="http://www.ieee-bv-cs.org/">http://www.ieee-bv-cs.org/</a>	Computer