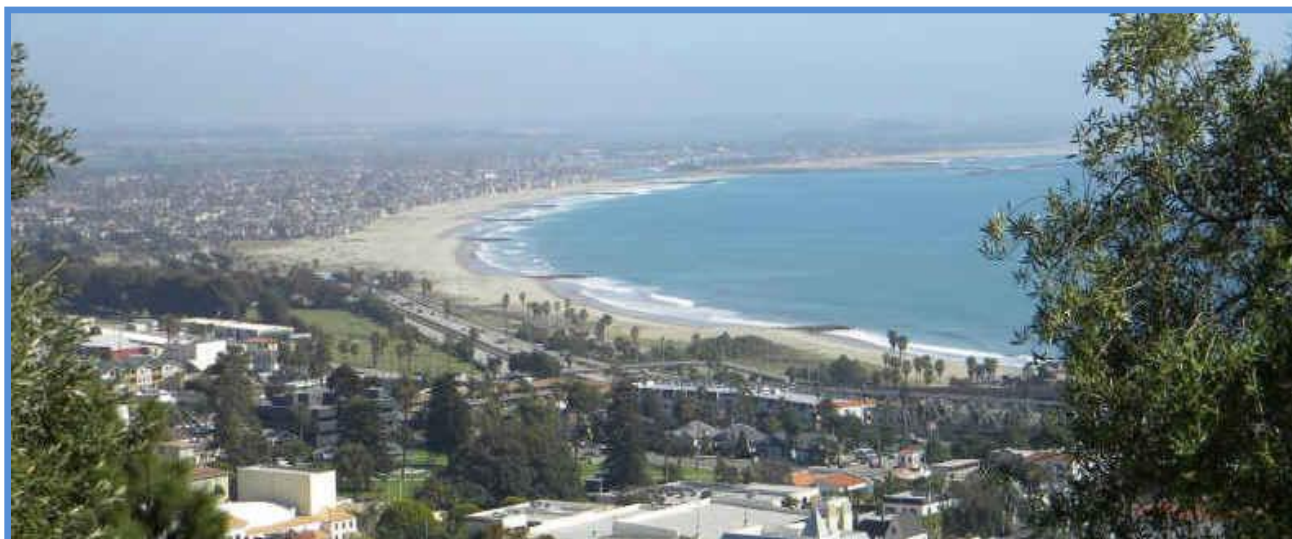




IEEE BUENAVENTURA SECTION

SEPTEMBER 2014 NEWSLETTER



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Join Our **Facebook Page!** - facebook.com/IEEEofVenturaCounty

EVENTS

Wednesday 24th September 7:00 PM	EMB	Aerial Imaging Enables Precision Agriculture – Satellite and Drone Imaging Systems can play a key role in Optimizing Crop productions Dr. Jagmohan Bajaj, VP Technology, Teledyne Imaging Sensors Contact: sfjohnso@ieee.org Location: CLU, Ahmanson Science Building
Saturday 27th September 10:30AM- 12:00 PM	Channel Islands ASME	Guided Tour of Exclusive Mullin Automobile Museum of BUGATTI Automobiles Location: Mullin Automotive Museum, 1421 Emerson Avenue, Oxnard, CA 93033 Contact: Dennis Horwitz asmechannelislands@gmail.com
Friday 24th October 7:30Am- 3:30AM	Coastal LA	Coastal LA Presents CLASTECH Symposium and Exhibition Antenna and Microwave Technology (Preliminary) There will be exhibition with local and national vendors Location: Hacienda Hotel, El Segundo, CA
Monday 29th September 6:30 PM	OpCom	Operating Committee Meeting 6:30 pm Pickles Deli, Newbury Park

MEMBERSHIP NEWS

Hi Everyone!

I would like to take this opportunity to encourage all our new and existing members to browse through IEEE to get acquainted with all the member activities and benefits if you haven't already.

In IEEE region updates, *La Reina High School* that the school has been recognized as the Outstanding Private Pre-University School for 2015 by the IEEE (Institute of Electrical & Electronic Engineers) in Region 6 Southern Area. Congratulations to La Reina!

The citation on the award plaque will read:

For the remarkable vision to set up educational programs that enhance STEM education for the students of La Reina High School.

The nomination document (prepared by Nathalie Gosset, an alumni parent) is being forwarded to the Region 6 Award Committee for consideration of La Reina for the award for Region 6 (which includes 17 Western U.S. states).

In another good news, According to the *Daily Trojan* student newspaper at USC: USC, UCLA, and CalTech are jointly funded with a \$3.5M grant to be an I-Corps(Innovation Corps) Node in SoCal by the NSF

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.

--- Albert Wolfkiel
IEEE Buenaventura Section Chair 2014

JOB OPPORTUNITIES

APP

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

✚ **2 Quality Engineers needed at Second Sight, Sylmar**

Experienced Quality Engineers with medical device experience. Positions focused on CAPA/ETQ and **Principal Engineer**.

✚ **Sr. Regulatory Affairs Specialist**

Bioness (www.bioness.com), Valencia

Experience with IDEs, PMAs, 501(k)s, FDA and foreign regulatory submission.

✚ **Director, Regulatory Affairs at Alfred Mann Foundation, Valencia**

The Director of Regulatory Affairs will play a key role in developing and implementing global Regulatory strategies to secure market access for Class II/III medical devices in coordination with key internal and external stakeholders.

This individual will be the Regulatory subject matter expert.

✚ **Quality Manager**

Bioness (www.bioness.com) Valencia Experience with FDA , vendor audits, inspection, test & quality systems

✚ **Product Manager – Implantables**

Bioness (www.bioness.com), Valencia

Experience with medical device marketing. Key strategic partner of the marketing team responsible for leading the commercial aspects of implantable products. Manage critical processes related to business planning, marketing plans, product training, portfolio management and development, market research.

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

✚ **CONTRACT ELECTRICAL ENGINEER**

Camarillo company looking for an Engineer to successfully complete tooling projects for electronic assemblies such as wind turbine control systems and computer networks used in the medical equipment industry. Will be paid upon successful completion of projects. Good knowledge of high-power RF.

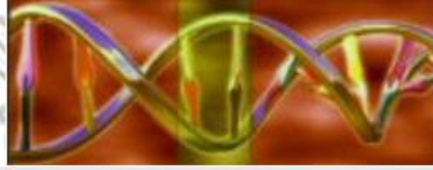
APP

Looking for Academic, Scientific, or Engineering Talent?

Advertise with the **IEEE Buena Ventura 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.



Buenaventura Chapter



Aerial Imaging Enables Precision Agriculture –Satellite and Drone Imaging Systems Can Play a Key Role in Optimizing Crop Productions

Dr. Jagmohan Bajaj, VP Technology, Teledyne Imaging Sensors

*Wednesday, September 24, 2014 7 PM
CLU - Ahmanson Science Building*



With an exponentially growing world population, the agriculture industry must deliver more food with less water and on less farm land. Aerial imaging from satellites and drones enable a new sophisticated science of farming, called precision agriculture. Our invited guest speaker, Dr. Jagmohan Bajaj, Vice President of Technology at Teledyne Imaging Sensors, will explain how aerial imaging systems can capture the optical signature of soil and plants with high geographical resolution and reveal information that can guide the planning and management of crops at precise locations to reach new levels of crop production and efficiency. Dr. Bajaj will show how aerial Imaging has the potential to revolutionize the art of farming.

Dr. Jagmohan Bajaj, Vice President of Technology at Teledyne Imaging Sensors

Dr. Jagmohan Bajaj is the Vice President of Technology, Teledyne Imaging Sensors. He has been at Teledyne since receiving his PhD in Physics from Northwestern University in 1981.

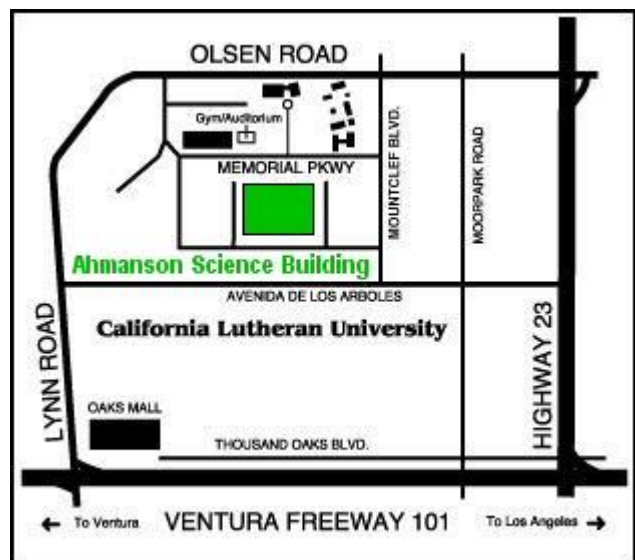
This session is co-sponsored by IEEE Buenaventura Industry Applications Society, Robotics and Automation Society, and the Life Member Affinity Group.



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

Our Sponsors: **California Lutheran University, IEEE EMB Society, IEEE Buenaventura Section, Amgen Foundation MicroJoining Solutions**



CHANNEL ISLANDS SECTION

Serving the Mechanical Engineers of Ventura & Santa

Joint ASME-IEEE Meeting

**Saturday, September 27, 2014,
10:30am - 12:00pm**

Guided Tour of the Exclusive Mullin Automobile Museum of BUGATTI Automobiles, Oxnard, CA



<http://mullinautomotivemuseum.com/>

The [ASME Channel Islands](http://mullinautomotivemuseum.com/) section has arranged for a guided tour of the Mullin Automobile Museum (MAM) of Bugatti automobiles. We will be able to get up close to the vehicles and even peer inside and look under the hood of some. Peter W. Mullin has had a lifelong romance with the automobile and particularly French automobiles from the prewar art deco period. He established MAM as a tribute to French automotive styling and the decorative arts that influenced the genre. The current exhibit has the entire museum dedicated to the cars and artistry of the Bugattis only. These are some of the most beautiful and most valuable cars in the world! The building originally housed Otis Chandler's (owner of the L.A. Times) private car collection. After Mr. Chandler died and his car collection sold off, Peter Mullin purchased and remodeled the building to share his fascinating collection with the world.

Photography is allowed with a personal camera. Small wallets are also allowed. Commercial photography is not allowed. This collection is not roped off and thus no bags of any kinds are permitted in the museum including totes, handbags, backpacks or camera bags. Additionally, no strollers, tripods, monopods, or camera support devices are allowed. Please, no pets.

Arrive no later than 10:15am to check in with ASME. The tour will begin at 10:30am and end at ~ 12:00pm.

WHO Open to ALL engineers (ASME, IEEE, SWE, etc.) and their families, friends and colleagues

WHEN Saturday, September 27, 2014, 10:30am – 12:00pm

WHERE Mullin Automotive Museum, 1421 Emerson Ave, Oxnard, CA 93033

COST PREPAID per person: Adults \$15 and Children \$10 (ages 3 through 11).

Payment Method 1: You may make a direct PayPal payment to asmechannelislands@gmail.com by sending payment and indicating how many adults and children will attending.

Payment Method 2: Send an RSVP to asmechannelislands@gmail.com, identify the number of adults and children who will be attending, and an invoice will be emailed which can be paid online via credit card or PayPal.

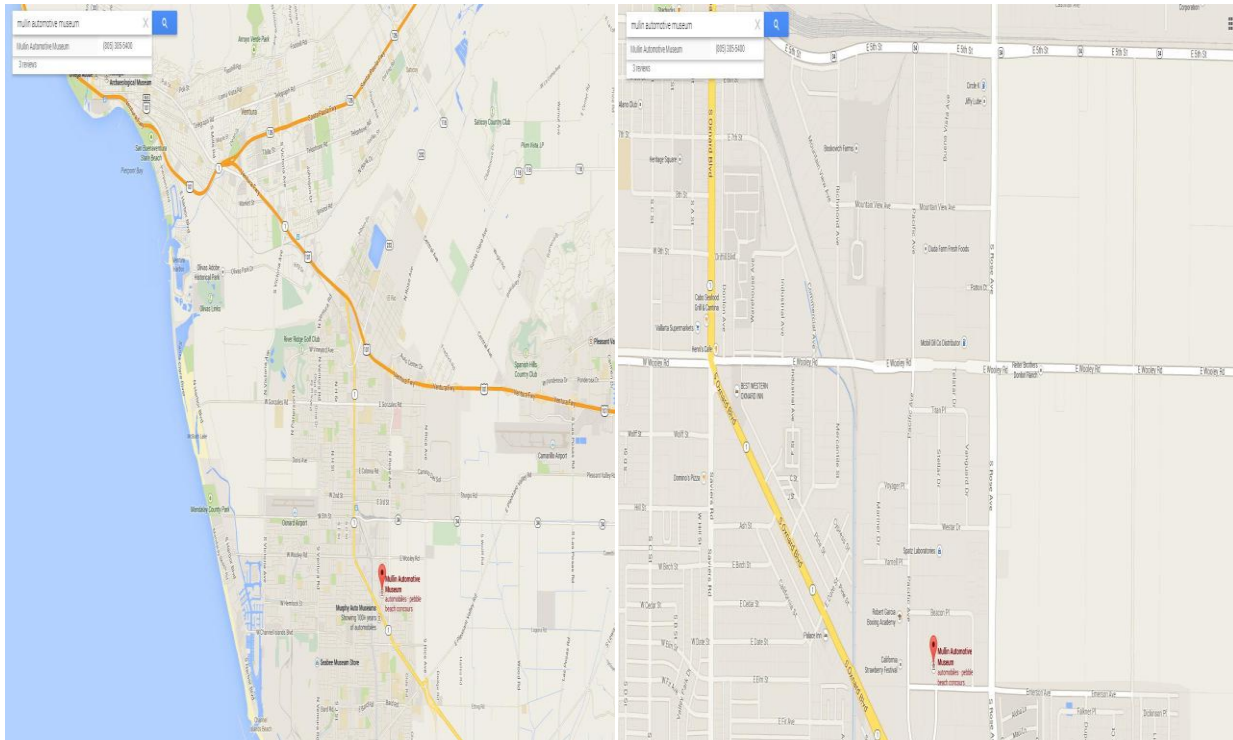
RSVP [RSVP and Prepayment Required.](mailto:asmechannelislands@gmail.com) Email Dennis Horwitz at asmechannelislands@gmail.com

DIRECTIONS FROM THOUSAND OAKS/WESTLAKE:

- Distance: 23 miles from Thousand Oaks / 26 miles from Westlake Village
- Take US-101 North towards Oxnard
- In Oxnard, take exit 61 for Rose Ave
- Turn left at N Rose Ave and go 2.8 miles to Emerson Avenue
- Turn right at Emerson Avenue. The museum will be on the right – 1421 Emerson Avenue.

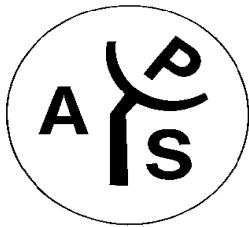
DIRECTIONS FROM SANTA BARBARA/VENTURA:

- Distance: 36 miles from Santa Barbara / 10 miles from Ventura
- Take US-101 South towards Oxnard
- In Oxnard, exit Rose Avenue
- Turn right at Rose Ave and go 2.8 miles to Emerson Avenue
- Turn right at Emerson Avenue. The museum will be on the right – 1421 Emerson Avenue



Coastal LA Section Presents CLASTECH Symposium and Exhibition Antenna and Microwave Technology (Preliminary)

October 24, 2014
Hacienda Hotel
El Segundo, CA



Exhibition There will be an exhibition with local and national vendors.
7:30 AM to 3:30 PM

Steering Committee Chair
Charlie Jackson

TPC Chair
Hector De Los Santos

Antennas
Robert Hoferer
Rahul Dixit

Microwaves
Kevin Leong
Vesna Radisic

EMC
Ray Adams

Exhibition Chair
Bryan Takamiya
Local Arrangements
Sharon Fletcher,
Manny Olmedo,
Alan Reynolds,
Steve Swift,
Brian Welles

ROOM A- Antennas 8:30 AM 1st Session

"An Insider's View of the SMAP Instrument Antenna: Major Performance Requirements and Design Details by Paolo Focardi, JPL/NASA.

"Advance Computational Tools for Antenna Design and Placement Studies", by Dr. C. J. Reddy, Altair / Applied EM

10:10 - 10:40 AM Break (Exhibit Opens at 7:30 AM) 10:40 AM 2nd Session

"Reverb Test Chamber/Application Trends", by Dennis Lewis, Boeing Seattle

11:30 AM – 1:00 PM Lunch

Lunch

1:00 PM – 3:00 PM 3rd Session

"Antenna challenges in a launch-vehicle environment", by Dr. Keyvan Bahadori, Space-X

"An overview of recent developments in computational EM", by Dr. Atef Elsherbeni, Colorado School of Mines

3:00 – 3:30 PM Break (Exhibition Closes at 3:30 PM)

If you are between jobs, contact clastech@earthlink.net and CLASTECH will work something out

Download this flyer
[Click Here](#)

ROOM B- Microwaves 8:30 AM 1st Session

"Evolution of Passive and Active Microwave Filters" by Richard Snyder, RS Microwave

"mmW and the impact upon 5G wireless; what Engineers need to know about this Technology", by Joy Laskar, QEOS Communication Division

10:10 - 10:40 AM Break (Exhibit Opens at 7:30 AM) 10:40 AM 2nd Session

"Long-Range Wireless Power Transmission Systems", by Dick Dickinson, OFF EARTH-WPT

11:30 AM – 1:00 PM Lunch

Lunch

1:00 PM – 3:00 PM 3rd Session

"Microwave Engineering: What is it, where is it headed, and how it serves the mankind", by Madhu Gupta, UCSD

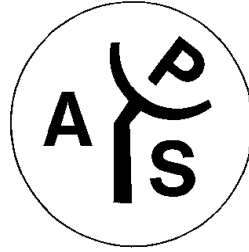
"Tunable Filters For Wireless Communication Systems", by Raafat R. Mansour, University of Waterloo

3:00 – 3:30 PM Break (Exhibition Closes at 3:30 PM)

For More Information Contact Charlie Jackson c.jackson@ieee.org

Registration Page
<http://clastech2014.eventbrite.com/>

Registration Page: <http://clastech2014.eventbrite.com>



**Coastal LA Section Presents CLAS TECH Symposium and Exhibition
October 24, 2014
Hacienda Hotel, 525 N. Sepulveda Blvd.
El Segundo CA, 90245**

Registration Form

The 2014 ClasTech Symposium and Exhibition will include two tracks with 5 technical sessions, a poster session, and table top exhibits. A buffet lunch will be provided.

To get the ½ price fee, RSVP on-line and to ensure that you get lunch, we need registration before October 21. If you want, you fill out the form and mail in a check. Onsite registration will be \$30.

Here is a link to the registration page

<http://clastech2014.eventbrite.com/>

If you do not want to use the web based registration, make a check out to "IEEE Coastal LA Section, APS Chapter" and mail it to the APS/MTT Chapter Treasurer, C/O Charlie Jackson, 16341 Normandy Lane, Huntington Beach, CA, 92647.

I will pay \$30 on-site _____

I want to pre-pay by check _____ (You don't need to fill out this form if you register on-line)

Name: _____

Address: _____

Company (optional): _____

Phone: _____

E-mail: _____

Address and e-mail information are needed for contacting you if there is a registration issue. Company information will not be disclosed, but a list of companies that sent employees will be compiled and distributed.

Do not share my contact information with exhibitors or other attendees

Technical Background (not to be released; Useful for future CLASTECH Symposium planning)

APS MTT



IEEE BUENAVENTURA SECTION

Buenaventura Section and Chapter Info

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Vice-Chair	Albert Wolfkiel	awolfkiel@ieee-bv.org
Treasurer	Zak Cohen	zcohen@ieee.org
Secretary	Karl Geiger	karl@ieee-bv.org
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Historian	Doug Askegard	dougaskegard@ieee.org
Past Chair	Karl Geiger	karl@ieee-bv.org
Sr. Representative, LA Council	Bridgeman Carney	bcarney@ieee-bv.org
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Section Webmaster	Karl Geiger	webmaster@ieee-bv.org
Newsletter	Zak Cohen Karl Geiger Gaurav Mahajan	newsletter@ieee-bv.org

<u>Chapter</u>	<u>2013 Chair</u>	<u>E-Mail</u>
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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, Automation & Industry Applications	Doug Askegard	askegard@sbcglobal.net

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http://comsoc.ieee-bv.org/	Communications
http://www.ieee-bv-cs.org/	Computer