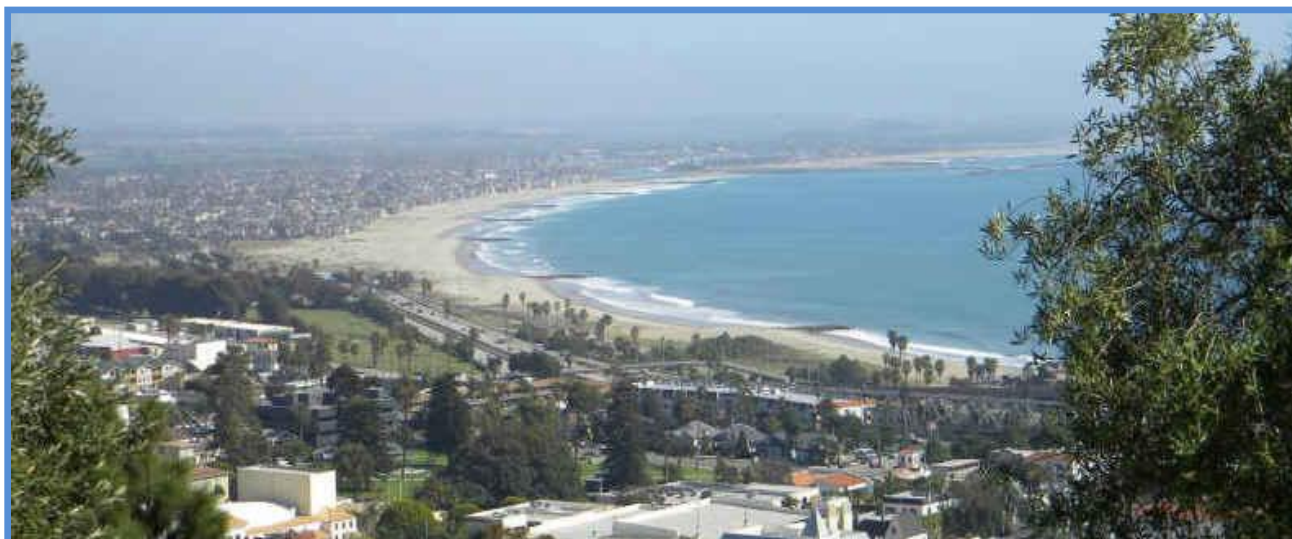




# IEEE BUENAVENTURA SECTION

## JULY 2014 NEWSLETTER



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# EVENTS

<b>Tuesday</b> <b>8<sup>th</sup> July</b> <b>6:00 PM- 8:00</b> <b>PM</b>	<b>AUVSI</b> <b>CSUCI</b> <b>Chapter</b>	<b>Director's briefing of the Center for Unmanned Aircraft Systems</b> <b>(C-UAS), AUVSI Channel Islands Chapter</b> <b>Location: Aliso Auditorium, CSUCI</b> <b>Contact: Tom Nielsen, <a href="mailto:tnie1809@gmail.com">tnie1809@gmail.com</a>, 8052367790</b>
<b>Saturday</b> <b>12<sup>th</sup> July</b> <b>10:00 AM-</b> <b>12:00PM</b>	<b>Summer</b> <b>Robotics</b>	<b>2014 Summer Robotics at Gull Wings</b> <b>FREE Introductory Robotics Sessions</b> <b>Special Preview of Upcoming Robotics Classes in Summer on July</b> <b>17,24,31 and August 7,14. For children of Ages(8-12) for hands-on</b> <b>learning and excitement in STEM( Science, Technology,</b> <b>Engineering &amp; Math)</b>
<b>Wednesday</b> <b>16<sup>th</sup> July</b> <b>6:30 PM-</b> <b>8:30PM</b>	<b>IEEE</b> <b>Foothill</b> <b>Section</b>	<b>WhiteSpace Communications – From Rural Broadband to</b> <b>Cognitive M2M Speaker: Dr. Apurva Mody</b> <b>RSVP:</b> <a href="https://meetings.vtools.ieee.org/meeting_registration/register/26985">https://meetings.vtools.ieee.org/meeting_registration/register/26985</a> <b>Questions: Murat Karsi, <a href="mailto:mkarsi@ieee.org">mkarsi@ieee.org</a> (760)-419-8524</b> <b>To know more: <a href="http://foothill.ieee-bv.org/2014/06/wireless-white-space-presentation-san-diego-ieee-meeting-topic-for-july-16/">http://foothill.ieee-bv.org/2014/06/wireless-white-space-presentation-san-diego-ieee-meeting-topic-for-july-16/</a></b>
<b>Thursday</b> <b>24<sup>th</sup> July</b> <b>6:30 PM-</b> <b>8:00 PM</b>	<b>SusTech</b> <b>2014</b>	<b>IEEE Conference on Sustainability in Technology</b> <b>***Early Registration Extended Through July 9; Hotel to July</b> <b>10*** &lt;&lt;Register here&gt;&gt;</b> <b>Venue:</b> The conference will be held July 24-26 2014 in beautiful <b>Portland, Oregon at the DoubleTree Hotel.W</b> <b>For More Information, Please visit: <a href="http://sites.ieee.org/sustech/">http://sites.ieee.org/sustech/</a></b> <b><a href="http://sites.ieee.org/sustech/registration-2014/">http://sites.ieee.org/sustech/registration-2014/</a></b>
<b>Monday</b> <b>26<sup>th</sup> July</b> <b>6:30 PM</b>	<b>OpCom</b>	<b>Operating Committee Meeting</b> <b>6:30 pm</b> <b>Newbury Park Library</b>

## UPCOMING SPECIAL EVENT!

<b>Monday</b> <b>25<sup>th</sup> August</b> <b>11:00 AM</b>	<b>Upcoming</b> <b>Special</b> <b>Event!</b>	<b>IEEE Buenaventura presents “Fairways to Scholarships”</b> <b>Monday August 25 2014 Los Robles Greens Golf course</b> <b>Shotgun start at 1PM, Registration begins at 11:00 AM</b> <b>Contact Mike Nicholls <a href="mailto:mnicholls@a-m-c.com">mnicholls@a-m-c.com</a></b>
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## Membership News

### Hi Everyone!

As we complete first half of this year, Let's join in welcoming the members which have joined us in the first half of 2014!

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**

Full Name	Join Date	IEEE Current Grade Description	Full Name	Join Date	IEEE Current Grade Description
Jenny Rimando Cortez	13-Mar-14	Associate Member	Alberto Rojas	11-Feb-14	Student Member
Sultan Alenezi	2-Dec-13	Graduate Student Member	Naila Browne	12-Feb-14	Student Member
Zoe Hay	6-Dec-13	Student Member	David Steward	13-Feb-14	Member
John Maxwell	15-Dec-13	Member	Kyle Zienin	17-Feb-14	Graduate Student Member
Iradj Shahriary	16-Dec-13	Member	Diba Zia	21-Feb-14	Student Member
Carolyn Hall	29-Dec-13	Member	Amirhosseini	26-Feb-14	Student Member
Pavel Bondarenko	30-Dec-13	Graduate Student Member	Mauricio Guzman	18-Mar-14	Member
Jacob Aldridge	10-Jan-14	Graduate Student Member	James K Middlebrook	26-Mar-14	Member
Christopher Landauer	10-Jan-14	Member	Abraham Zandi	9-Apr-14	Member
Yingwen Chen	14-Jan-14	Student Member	Ray Carlisle Delcher	10-Apr-14	Student Member
Tyler Hom	14-Jan-14	Student Member	Ronald Eugene Lukins	20-Apr-14	Member
Arthur Densmore	15-Jan-14	Graduate Student Member	Corey A. Donaldson	7-May-14	Student Member
Matt Bergeron	27-Jan-14	Member	Cameron Stephen Embree	8-May-14	Member
Aubrey Henderson	31-Jan-14	Graduate Student Member	Ernesto Carrillo	9-May-14	Member
			Deborah Downey	15-May-14	Member
			Matthew Sheehan		

# Special Event!



**IEEE Buena Ventura presents "Fairways to Scholarships"**  
*Bringing together Ventura County Hi-Tech Corridor Industry to support local students\**

**Monday August 25 2014 Los Robles Greens Golf course Shotgun start at 1PM, Registration begins at 11:00 AM**

**Contact Mike Nicholls [mnicholls@a-m-c.com](mailto:mnicholls@a-m-c.com)**

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**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

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**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.

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**Super Donor Package (\$500)**

- Tournament fees for a Foursome of golfers.
- Public recognition at the lunch following the tournament.

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**Golf Hole Sponsor Package (\$100)**

- Golf hole sponsorship, to include your firm's sign on a tee box

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**Tournament Registration (\$99 per person)**

- Includes 18 holes, golf cart, breakfast, lunch, and chances to win great prizes!

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**Straight Donation (Any amount appreciated)**

- Public recognition at the lunch following the tournament.

**\*Proceeds from the tournament will support but not limited to:**

- College Scholarships to outstanding students in Colleges and University in Ventura County
- Sponsorship of Robotics program for high school students
- Sponsorship for First Lego league Robotics tournament for Elementary and Middle School Students.

## *JOB OPPORTUNITIES*



**Contact Pat Jacobs -- 805-579-0630 [pat.jacobs@advancedpersonnelprofiles.com](mailto:pat.jacobs@advancedpersonnelprofiles.com) →**

**✚ ASIC MANAGER**

Manage staff of 3 for next generation ASIC development. 9-80 schedule, great benefits and people.

**✚ 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](http://www.bioness.com)), Valencia

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

**✚ Software Engineer at Second Sight**

Software engineer with design and development experience with web-based applications / software systems. Proficiency with JavaScript and node.js

**✚ 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

**Contact: Abby Hairabedian 805-388-1711 ext. 332 [ahairabedian@dex.com](mailto: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.



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.



**AUVSI Channel Islands Chapter**  
*Agenda for July 8, 2014, 6:00PM*  
*Aliso Auditorium, CSUCI*

## **Director's briefing of the Center for Unmanned Aircraft Systems (C-UAS)**

### **Order of Events:**

#### *1) Sign In*

#### *2) Speaker: Brad Whitby , Managing Director C-UAS*

C-UAS is a new research center sponsored by the National Science Foundation and only center focused solely on unmanned aircraft research, this center combines academic researchers with industry members to pool resources and accelerate research.

The center specializes in advanced autonomy, UAS-based communication networks, multi-agent cooperative control, human/UAS interfaces, and UAS integration into the National Airspace System.

Visit there website [c-uas.byu.edu](http://c-uas.byu.edu) <<http://www.c-uas.byu.edu>>.

#### *3) Chapter Business*

a. Updates; Unmanned Aerial Vehicle Pathway Program

b. Upcoming Events; “Black Dart”, and our first Mini-Conference event

**On the Radar:** (All Meetings are the 2nd Tuesday of the month, 6:00 PM @CSUCI, Location will be in the ALI Building (which is at the end of the central mall, where we met last month) Parking will be highlighted by signs and the orange cones

For more information please contact: Tom Nielsen,

Email [tnie1809@gmail.com](mailto:tnie1809@gmail.com) Cell phone 805 236 7790

## 2014 Summer Robotics at Gull Wings



Gull Wings Children's Museum

418 West 4<sup>th</sup> Street, Oxnard, CA 93030  
(805) 483-3005 [www.gullwings.org](http://www.gullwings.org)



**Come One, Come All, the Robots are Coming!!!**

**Free** Introductory Robotics Sessions  
Saturday, June 21<sup>st</sup> and Saturday, July 12<sup>th</sup>  
from 10:00 AM – 12:00 Noon

This will be a special preview of the Robots that your child can build, program, and test in the upcoming Summer Robotics Classes at Gull Wings.

**Build**  
**Program**  
**Test**

LEGO  
MINDSTORMS  
NXT Kit

**Summer Program Schedule:** This is a five week program running on Thursday mornings:

Course Dates: July 17, 24, 31, August 7, 14  
Course Time: 10:00 AM – 12:00 PM  
Fee: \$95.00

Call or visit the Gull Wings Museum to enroll your child (Ages 8 -12) in these hands-on learning classes that build confidence and excitement in STEM (Science, Technology, Engineering & Math).

*Classes provided by RTS, recipient of the IEEE-USA PEC award for creating the Robotics Program at Pinecrest Schools in Thousand Oaks and the Gull Wings Children's Museum.*

**IEEE Foothill Section**  
**WhiteSpace Communications –**  
**From Rural Broadband to Cognitive M2M**  
*Speaker: Dr. Apurva Mody*

**Program:**

Regulators all over the world have realized the importance of WhiteSpaces. WhiteSpaces are the un-used or under-utilized portions of the spectrum. There is an on-going debate on licensed vs license-exempt use of this spectrum. Currently 73% of the people in the world do not have internet access. Nearly 3.5 Billion people live in rural areas with hardly any internet availability. License-exempt use of WhiteSpaces enabled through Cognitive Radio (CR) technology has the potential to change all that and benefit many emerging economies. Other Machine to Machine (M2M) applications will drive up the volumes. WhiteSpace spectrum can support a wide variety of applications including regional and rural area broadband access, local area networks, hot-spots, health-care applications, cellular off-load, smart utility networks, remote control and monitoring applications, home-land security, disaster-recovery, IPTV etc. This talk will focus on IEEE 802.22 (Wi-FAR) Standard and WhiteSpace Alliance activities to promote the eco-system by conducting pilot programs as well as other regulatory outreach activities.

**Speaker Bio:**

Dr. Apurva N. Mody (apurva.mody@ieee.org) is the Chairman of IEEE 802.22 Working Group (WG) on Wireless Regional Area Networks (WRANs) ([www.ieee802.org/22](http://www.ieee802.org/22)). He is also the Chairman of the Whitespace Alliance ([www.WhiteSpaceAlliance.org](http://www.WhiteSpaceAlliance.org)).

**Location:** InterDigital San Diego, 9710 Scranton Road, Suite 250, San Diego, CA 92121

**Date & Time: Wednesday, July 16, 2014**

6:30 – 7:00 PM – Networking, Food and Refreshments

7:00 – 8:30 PM – Presentation and Q&A.

**RSVP:** [https://meetings.vtools.ieee.org/meeting\\_registration/register/26985](https://meetings.vtools.ieee.org/meeting_registration/register/26985)

Questions: Murat Karsi, [mkarsi@ieee.org](mailto:mkarsi@ieee.org) (760)-419-8524

To know more: <http://foothill.ieee-bv.org/2014/06/wireless-white-space-presentation-san-diego-ieee-meeting-topic-for-july-16/>





**July 24-26, 2014, Portland, Oregon**

**\*\*\*EARLY REGISTRATION EXTENDED THRU JULY 9; HOTEL to JULY 10\*\*\* <<[Register here](#)>>**

The goal of the IEEE Technologies for Sustainability (Sustech) Conference is to explore the development and application of science, engineering and technology to promote sustainability in these areas:

- **Alternative Energy** (e.g. solar, wind, tidal, fuel cells, energy harvesting, nuclear, thermal)
- **Energy Efficiency** (e.g. sensors and measurement, energy saving controls, auto electronics & fuel economy, data centers, power saving, Smart Environment)
- **Transportation Electrification** (e.g. electric vehicles, aviation, motors, drive controls, batteries, sensors, environmental & power distribution impacts)
- **Smart Grid** (e.g. communications, control, power electronics, industrial and home applications, energy storage, demand control and response)
- **Sustainable Electronics** (e.g. sustainable manufacturing, components, global materials supply, hardware life-cycle, nanotechnology & health/environment, reuse and repair of consumer electronics, materials harvesting from electronic waste, Open repair manuals and on-line repair and electronics sustainability resources, best practices)
- **Societal Implications / Quality of Life** (e.g. EM spectrum allocation, global warming, autonomous vehicles, health & medical electronics, global education & human resources, risk management, remediation, purification, public policy)

#### **Venue**

The conference will be held July 24-26 2014 in beautiful Portland, Oregon at the DoubleTree Hotel.

**For More Information, Please visit: <http://sites.ieee.org/sustech/>  
<http://sites.ieee.org/sustech/registration-2014/>**



# IEEE BUENAVENTURA SECTION

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### Chapter

### 2013 Chair

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Robotics, Automation & Industry Applications	Doug Askegard	<a href="mailto:askegard@sbcglobal.net">askegard@sbcglobal.net</a>

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

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