



IEEE BUENAVENTURA SECTION

AUGUST 2014 NEWSLETTER



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EVENTS

Monday 11th August 6:00 PM- 8:00 PM	Consultant Network	Consultant's Network – Tijuana Business Opportunities Speaker: David Mayagoitia, AICP Location: Giovanni's Restaurant, 9353 Clairemont Mesa Boulevard at Ruffin Road Contact: Roger Atkinson 619-586-3100 roger@cahonsystems.com
Tuesday 12th August 6:00 PM – 8:00 PM	Product Safety Engineering	The Dark Side of green Energy: Investigating fires involving Photovoltaic(PV) Solar Panels Speaker: George White, Forensic Engineering for fires investigation Location: Hewlett Packard Company (PB)
Wednesday 20th August 6:30 PM	AESS/EDC AS/MTTS/L MAG	Active and Passive Magnetoquasistatic Positioning By: Dhramindra D. Arumugam PhD. , Jet Propulsion Lab, Caltech Location: Ciao Wireless, 4000 Via Pescador, Camarillo, CA 93012
Monday 25th August 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.

For the new member, I will really like to encourage them to [register to attend a 30-minute live New Member Orientation webinar](#), typically scheduled on the fourth Thursday of each month, either 9:00 a.m. or 3:00 p.m. ET.

The webinar includes an overview of IEEE membership, access instructions for member-only benefits and services, and a question-and-answer session.

Albert Wolfkiel will be the new BV Chair from this month. Albert's previous Chair experience and his knowledge of IEEE makes me confident that IEEE BV is in very capable hands.

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

JOB OPPORTUNITIES



Contact Pat Jacobs -- 805-579-0630 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), 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.

✚ Quality Manager

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

✚ Document Control at Alfred Mann Foundation, Valencia

Experience in FDA preferred, engineering documentation

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.



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MEETING NOTICE **Buenaventura** **AESS/EDCAS/MTTS/LMAG Chapter Meeting**

Date and Time: *Wednesday, August 20th, 2014 (6:30PM)*

Location : Ciao Wireless

4000 Via Pescador, Camarillo, CA 93012

Agenda: 6:30PM Reception & Networking;

7PM Presentation

Active and Passive Magnetoquasistatic Positioning

Presenter : *Darindra D. Arumugam, PhD.*

Jet Propulsion Lab, Caltech

Abstract : Wireless positioning is increasingly important in society today with high-impact applications such as navigation, object/asset tracking, personnel tracking, proximity sensing, et cetera. Despite continued advancements over the last several decades, traditional radio-based techniques (GPS, RFID, UWB, etc.) suffer degraded accuracy when in proximity to realistic obstacles or in non-line-of-sight/multi-path environments, which limit their use in many practical applications where the line-of-sight to the device is blocked, such as indoor, outdoor non-line-of-sight, underground, or underwater environments. In this talk, a new technique using magnetoquasistatic (MQS) fields is introduced and shown to circumvent the problems found in traditional techniques. The MQS technique enables precision position and orientation sensing over short to long ranges, and can be used in active and passive devices. The talk will describe both active and passive magnetoquasistatic systems. Both theory and experiments will be described.

Bio: Darindra D. Arumugam is a technical staff at Jet Propulsion Laboratory, California Institute of Technology. Darindra received his Ph.D. in Electrical and Computer Engineering from Carnegie Mellon University in 2011. He is the first author of over 45 peer-reviewed publications, and holds 2 patents on positioning systems. Darindra enjoys fishing, playing the piano, and traveling.

CONSULTANTS' NETWORK

-- Tijuana Business Opportunities

Speaker	David Mayagoitia AICP
Topic Info	Tijuana has a booming manufacturing economy, with numerous opportunities for consultants and contract engineers. David Mayagoitia, a founding member and past President & Chairman of the Board of Tijuana's Economic Development Corporation, will show us how to do business in Tijuana and why we should want to.
Speaker Bio	Mr. Mayagoitia was the founding director of the Mexican Industrial Parks Association (AMPIP), and a founding member of Tijuana's Economic Development Corporation (Tijuana EDC). Today, he serves as a committee head at the Tijuana EDC. He recently served as President & Chairman of the Board for the Tijuana EDC for the period 2012-2013, serves on the Board of the San Diego Regional Economic Development Corporation (SDREDC) and the Advisory Board of the San Diego/Tijuana Urban Land Institute. He was named Chairman of the Board for The CALIBAJA Mega-Region for 2013.
Location	Giovanni's Restaurant, 9353 Clairemont Mesa Boulevard at Ruffin Road
Directions	Giovanni's Restaurant (also called Giovanni's Pizza) is conveniently located near the Interstate 15, SR 163 and SR 52 freeways. Please see map at www.ieeeconsultants.com/ . Click the little map on the web site for a bigger map.
Agenda	We meet on the second Monday of every month, same time, same place (now at Giovanni's Restaurant in Kearney Mesa). The format is dinner and networking from 6-7 PM and meeting from 7-8:30 PM. The speakers' presentations will start promptly at 7:00 PM. This will allow the formal portion of the meeting to be finished no later than 8:30. All are welcome to stay later for additional questions and networking. We always welcome newcomers and old faces we haven't seen in a while. Questions: Roger Atkinson 619-596-3100 roger@cahonsystems.com Are you on our Linked-in group? Go to http://www.linkedin.com/groups?gid=2112928 to sign up.
Cost	No charge. Buy your own dinner.
RSVP	No RSVP needed. All are welcome, just show up.

For more information: Please visit: <http://www.sdieee.org/cgi-bin/WebObjects/ieee.woa/wa/YICal/event?eventPK=30fa1435-4957-4897-bc04-ecdf81a28343>

The Dark Side of Green Energy: Investigating fires involving Photovoltaic (PV) Solar Panels

Speaker	George White
Topic Info	<p>With increased demand due to environmental reasons and decreased cost, generating electricity from Photovoltaic (PV) panels has become a commercial reality.</p> <p>There has been tremendous growth in the past 10-15 years in the installation of PV panels in a variety of facilities: residential, commercial, education, and military. There are also a wide variety of panels and installations that have been developed to increase capacity and efficiency – roofing panels, thin-film and flexible panels, cylindrical panels, fixed panels, panels that rotate on a single axis, and panels that rotate on 2 axes.</p> <p>With the tremendous growth of this new technology and new industry, there are also some problems. This presentation will focus on fires that have reportedly been caused by these panels or their installation, along with a discussion of various failure modes.</p>
Speaker Bio	<p>George White is co-owner of a Forensic Engineering firm that investigates fires for attorneys and insurance companies.</p> <p>While working for Johnson Controls, George was responsible for the Maintenance and Operation of a 1,000 kW solar panel installation over 7 acres at the 29 Palms Marine Base in the Mojave Desert. He has investigated fires involving solar panels at a residence in Simi Valley, a Wal-Mart Store in Long Beach, and an Almond ranch near Modesto.</p> <p>He has presented over 200 technical presentations at a variety of engineering, legal, and insurance groups over 25 years.</p> <p>George earned his bachelor's degree in electrical Engineering from Vanderbilt University. He is licensed in California as both an Electrical Engineer and as a Mechanical Engineer.</p>
Location	Hewlett-Packard Company (RB)
Directions	<p>Hewlett-Packard Company 16399 West Bernardo Dr., San Diego, CA 92127 Meeting Room: Pacific (Conference Center) For directions, please click here.</p>
Agenda	<p>Start @ 6:00pm</p> <ul style="list-style-type: none"> - 30 min Social Dinner & Networking - 10 min Intro & housekeeping - 60-90 min feature presentation/topic - 5 min wrap-up
Cost	The meeting is free to attend and dinner will be provided
RSVP	<p>Please RSVP by Monday, Aug. 11 to ensure your seat is reserved. The meeting is free to attend and dinner will be provided.</p> <p>To receive more information, please contact me Gabe Alcala gcalcala@atecorp.com or 858-558-6500 x390.</p>



IEEE BUENAVENTURA SECTION

Buenaventura Section and Chapter Info

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Chapter

2013 Chair

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