



IEEE BUENAVENTURA SECTION

April 2011 Newsletter

Meetings and Events

- Tue.
Apr 12
ComSoc **Jitter Analysis Seminar**
Bruce Wallick, Tektronix
6:30 p.m., ITT-Force Protection Systems, Thousand Oaks
Identification required; non-U.S. citizens must show INS documentation, i.e., H1B, 151, or passport.
Web: <http://comsoc.ieee-bv.org> , <http://3.ly/5TbN>
More info/RSVP: xwang97@yahoo.com
- Wed.
Apr 13
Computer **Conejo Robotics at FIRST Robotics Competition**
Chuck Seabury, Students of the CR team, and their 2011 Robots
6:30 p.m. networking, pizza, 7pm presentation at Richter Hall (ASC 100), California Lutheran University
Web: <http://ieee-bv-cs.org/>
More info/RSVP: Deron Johnson events@ieee-bv-cs.org
- Tue.
Apr 19
PES **The PC as Model and Lesson for the Smart Grid**
Bill Gervasi
6:30 pizza/networking, 7:00pm presentation
Newbury Park Library, 2331 Borchard Rd, Newbury Park
More info: Yesenia Illescas, yillescas@pes.ieee-bv.org
- Wed.
Apr 20
MTTS **TBD**
tbd
6:30 pm at Ciao Wireless, Camarillo, CA
Web: <http://www.ieee-bv.org/>
More info/RSVP: Momin Quddus bv_mmts@yahoo.com
- Thu.
Apr 25
Section **Section Operating Committee Meeting (closed)**
7pm
- Wed.
Apr 27
EMBS **Nanostructured Carbon and Carbon Fluoride Materials for High Power Li Primary and Rechargeable Batteries,**
Dr. Simon Jones, Contour Energy Systems
6:00 dinner and networking in California Lutheran University 's Ahmanson Hall (ASC 100) (\$10 at door, no reservation)
7:00 presentation (no charge)
Web: <http://www.ieee-bv-embs.org/>
More info/RSVP: Pat Jacobs
pat.jacobs@advancedpersonnelprofiles.com
- Thu.
Apr 28
**AES
LMAG** **The BIG SAFARI Story**
Colonel Jerry Knotts, USAF (ret)
6:30 pizza/networking, 7:00pm presentation
Vitesse Semiconductor, 741 Calle Plano, Camarillo
More info: Sunil Pai, paisunil@ieee.org

SECTION SPONSORS



The IEEE



Your IEEE Buenaventura Section is a proud participant in the local Engineers Week celebration – a banquet and award event held annually for the past 37 years to honor engineers in Ventura and Santa Barbara counties.

In addition to awards recognizing Engineer of the Year and Project of the Year, the highlight of the evening was the awarding of scholarships to 10 deserving engineering/computer science students.



Karl Geiger, Chair presents IEEE's Engineer of the Year award to Jerry Knotts, for a lifetime of achievements.



Mark Bahu, a lead engineering technologist at ITT-FPS, receives IEEE's Project of the Year award on behalf of his team.

--Doug Askegard, Programs and Awards Chair

IEEE BUENAVENTURA Life Members & Aerospace Chapter

Jerry Knotts served as Project Engineer and Program Manager for many Big Safari programs. In these positions, he was responsible for the design, production and flight test and acceptance of many special purpose aircraft.

He also co-authored a book for the USAF titled "The Big Safari History"

BIG SAFARI is the USAF's program office responsible for sustainment and modification of specialized special mission aircraft. Big Safari is a specialized process of acquisition and contracting management process that supports 20-24 projects at any one time and includes responsibility for logistics sustainment for over 50 aircraft. This process was the basis for the Lightning Bolt Initiatives, and is used to accomplish special projects on a quick-reaction basis.

The Big Safari Program is an innovative engineer's dream. The projects varied in complexity, the solutions required minimum application of Mil-Specs. Recently, Congress declared Big Safari as the recommended approach for all military projects.

His presentation will provide a brief glimpse of the Big Safari Program, the program's purpose, and will present and discuss a few of the many programs.



The BIG SAFARI Story

Date: April 28, 2011

Time: 6:30 pm Refreshment and
Pizza, Networking, 7 pm Talk

Location: Vitesse, Inc.
741 Calle Plano, Camarillo, CA
93012

Speaker:
Col Jerry Knotts



LIFE MEMBERS & AEROSPACE

Jerry Knotts, recently recognized as the "ENGINEER OF THE YEAR for 2010" by the BuenaVentura Section, IEEE retired from the USAF in 1984 after 24 years service with the rank of Colonel. His military experience included over 14 years with a unique USAF program called BIG SAFARI where he worked with General Dynamics, E-Systems, Lockheed Corporations and numerous other aerospace companies. During this time, he was the Project Engineer/Program Manager for many special projects, including: COMBAT SENT, COBRA BALL, PEACE JACK, the RB-57F, COMBAT TALON, and many others. He completed 112 combat missions as an F-105F WILD WEASEL/RYAN RAIDER over North Vietnam. His awards include the Legion of Merit, Distinguished Flying Cross, Defense Commendation Medal, Meritorious Service Medal (with three Oak Leaf Clusters), Air Medal (with 13 Oak Leaf Clusters), and numerous other awards. After retirement, he served as Vice-President/General Manager, Defense Electronics Division, California Microwave and later as Vice-President for Programs Development at American Nucleonics Corporation. As a business consultant, he provides strategic and financial planning services to small and medium sized companies through his Strategy Management Consulting firm.

He is the President the California Coast Venture Forum, Inc. and a screener/mentor with both the LARTA Institute and the Southern California BioMed Council (SoCALBIO). Jerry served as Chairman of the Board, BioQuip Products, Inc. and member of the Board of Directors, Qualified Technologies Inc. Jerry is President, South Coast Youth Leadership Conference, Inc.; Treasurer, Youth Enrichment Foundation, Inc. He is also a member of the Board of Counselors for the California Lutheran University Business School. Jerry holds a BSEE (Electronics Engineering) from The Pennsylvania State University, and MBA from Auburn University. In addition, he is a graduate of the Defense Acquisition University, Industrial College of the Armed Forces, Air Command and Staff College, and Air War College. He is a Senior Life Member, IEEE; Chairman, IEEE Life Member Group (BuenaVentura Section), a Registered Professional Engineer, and life member of Texas, California, and National Society of Professional Engineers. Jerry served as a Ventura County Airport Commissioner, and serves as a Lay Arbitrator for the Ventura County Bar.

He and his wife Mary have resided in Thousand Oaks, California since 1984.



MEETING NOTICE

Buenaventura Section's ComSoc Chapter

Date and Time: Tuesday, April 12th, 2011

Location : ITT-Force Protection Systems, 3500 Willow Lane, Thousand Oaks, CA

Directions: take the Hampshire Rd. exit off Hwy 101, facility is east on the south side of 101

http://maps.yahoo.com/maps_result?addr=3500+Willow+Lane&csz=Thousand+Oaks%2C+CA&country=us&new=1&name=&qty=

Agenda: 6:30 p.m. Reception, Pizza, & Networking

7:00 p.m. Meeting & Presentation

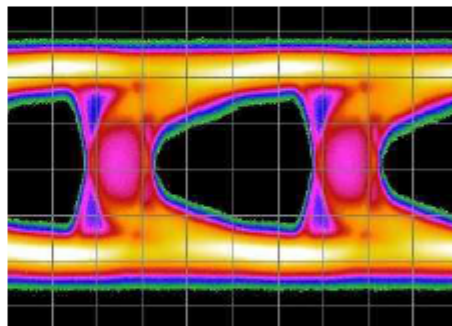
RSVP Requested: xwang97@yahoo.com

NOTE: The presentation takes place in a company that is involved in Government work. Therefore, please note that you will be asked for Government issued picture ID (Drivers License or better). **Non-US Citizens will need to bring INS documentation, i.e. H1B, 151, or passport.**

Title: Jitter Analysis Seminar

Speaker: Mr. Bruce Wallick

Abstract: Jitter measurement techniques have changed substantially over the last decade, driven by our need to understand how jitter impacts the integrity of a communications link. This seminar will describe the various jitter specifications, the different types of jitter and how the latest analysis tools provide deep insight into the components of jitter. It is sometimes necessary to quantify these components to comply with various standards, but more importantly, each component has assignable causes that may be cured, thereby reducing jitter and improving the link's performance and tolerance to extraneous conditions.



Bio: Possessing over 33 years experience in measurement science, Bruce Wallick is now employed by Tektronix as a Senior Field Applications Engineer, covering oscilloscopes, signal sources and logic analyzers. His education includes a BSEET from the University of Massachusetts – Lowell, plus intensive training in metrology provided by the U.S. Navy. His recent experience, prior to Tektronix, was focused on making precision timing measurements on very high-speed integrated circuits, signal integrity efforts and the use of Time-Domain Reflectometry (TDR).

IEEE Power & Energy Society Buenaventura Section

Join us for an exciting evening of our Buenaventura chapter series on Smart Grid. We are joined by distinguished speaker Mr. Bill Gervasi. This networking/presentation event will offer audiences an insight into **Optimizing Power Management in the Memory Hierarchy**. Members and Non Members are encouraged to attend. Admission is free.

Date/ Time:

Tuesday April 19, 2011 6:30 PM to 8:00 PM

6:30 PM Pizza, Refreshments/Networking

7:00 PM Presentation

Please RSVP at yillescas@pes.ieee-bv.org

Location:

Newbury Park Branch Library

2331 Borchard Road

Newbury Park, CA 91320



Presenter:

Mr. Bill Gervasi

Memory Technology Analyst

Discobolus Designs

Title: Optimizing Power Management in the Memory Hierarchy

Synopsis:

The computer architecture used in today's network servers have been fine tuned for cost and performance, often at the expense of power efficiency. Tricking these processors into efficient use of power, and thereby reducing their thermal footprint, requires a significant adjustment to traditional approaches to memory hierarchies. This presentation analyzes the history of processing architectures and exposes new methods for optimizing performance in a significantly lower power envelope.

About the presenter:

Mr. Bill Gervasi has been involved in the definition of Double Data Rate SDRAM since its earliest inception. His background is in computer sciences and career highlights include 19 years at Intel where over the years he was systems hardware designer, software designer, and major accounts manager. Mr. Gervasi subsequently was with S3 where he was a graphics architecture specialist and at Transmeta as memory technology analyst. Most recently he has been with Netlist, SimpleTech, and US Modular driving unique memory module configurations. He has served on the JEDEC Board of Directors and chaired committees for DRAM parametrics and memory modules throughout the development of DDR1 through DDR4. Mr. Gervasi holds numerous patents in memory and packaging design, and has performed expert witness testimony in major intellectual property cases.

For event information visit us online or contact us at:

Online: www.ieee-bv.org

Online: www.ieee-pes.org

Contact: Yesenia Illescas

Phone: 805-907-6447

Email: yillescas@pes.ieee-bv.org

Please Welcome Our Newest IEEE Members



- Members can find and make contacts by [searching MemberNet](#) at the [IEEE Member Portal](#). For new members, please

- Karl Geiger, Section Chair

Where is everyone? Thanks to Google's [Fusion Tables](#), geo-mapping is now a 5-minute task. According to the Section membership database, most IEEE members live along the 101 tech corridor and the Simi-Newbury Park axis:



We will continue to map individual Society memberships in future newsletters.

-- Bridge Carney, Section Vice Chair and Membership Development

Section and Chapter News

Newsletters

If you know about an event or news, IEEE or otherwise, that is of interest to IEEE members please send it to Zak Cohen, so it can appear in the newsletter and the website.

If you wish to write for the newsletter or website, please contact Zak or Chapter chair.

- *Zak Cohen, Section Secretary*

Community Service and Outreach

Ventura County Science Fair Judges

Thanks to all who signed up to judge Ventura County Schools' Science Fair this coming , Wednesday, April 6th. John Tarkany filled his slate rapidly this year and thanks all who signed up.

I plan to be there along with our past chair, Steve Johnson, We hope to see you there, too. Please let me know if you plan to attend.



John
Tarkany

– *Karl Geiger, Section Chair*

Section and Chapter Officers

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