



IEEE BUENAVENTURA SECTION

Welcome to the Buenaventura IEEE Section for December, 2009

As we approach the end of the year, we have two great events for you this month... both fairly early, so you can focus on the holidays.

Most of our events are free and open to the public, and often have dinner available. All of these events are posted on the Section calendar, available on our site.

ComSoc, MTTs, Computer, and Life Member Affinity are co-sponsoring a presentation on the 10-Gigabit Ethernet by Robert Jadon of the Tech Coast Angels, and EMBS is sponsoring a presentation by Kelsey Birkett-Bennett of HOK on the design of wet labs for medical device development



Dec 8 *Joint* **10-Gigabit Ethernet** – *Robert Jadon*. Reception and Pizza at 6:30 p.m., presentation at 7 p.m. At ITT Force Protection Systems, Thousand Oaks. **RSVP only if attending**

Dec 9 *EMBS* **Designing Wet Labs for Medical Device Development** *Kelsey Birkett-Bennett*. 6:00 P.M. Dinner and networking; 7:00 P.M. Presentation. At CLU Ahmanson Science Center

We look forward to our participation in National Engineering Week in February. If you have suggestions for IEEE Project of the Year or Engineer of the Year from Ventura or Santa Barbara counties, please let me know. Scholarships will again be awarded to students in engineering-related fields (we'll notify the area schools; please alert your students to watch for the announcements at their schools). Thanks!

- Steve Johnson, 2009 Section Chair



IEEE

Buenaventura Section's ComSoc, Computer, and Microwave Chapters, & Life Member Affinity Group



LMAG



Date and Time: Tuesday, December 8, 2009

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=&ty=

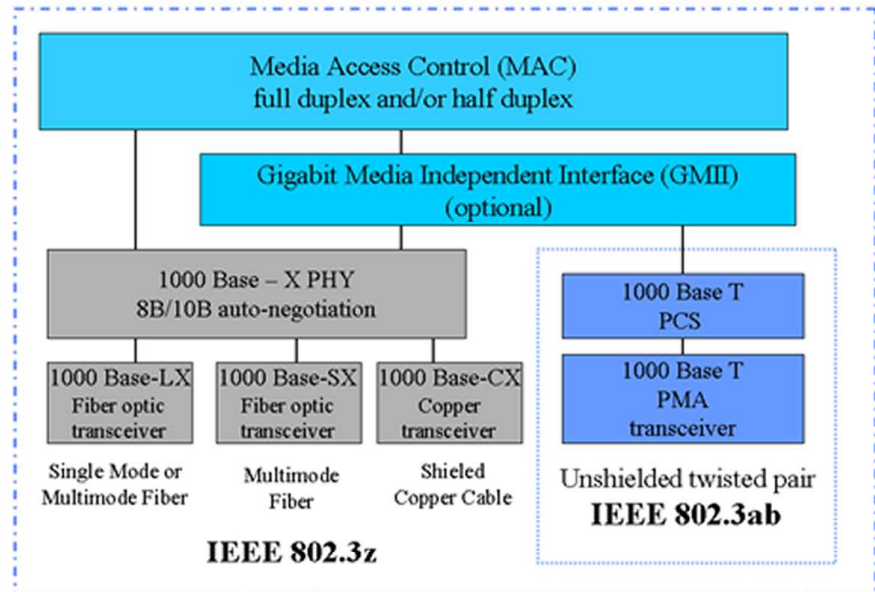
Agenda: 6:30 p.m. Reception, Pizza, & Networking
7:00 p.m. Meeting & Presentation

RSVP Requested only if you plan to attend: Victor S. Lin, victor.s.lin@aero.org

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 Right-To-Work documentation.

10 Gigabit Ethernet

Speaker: Robert Jadon



Gigabit Ethernet is a ubiquitous interconnect that constantly affects our lives. As applications like cloud computing and video become a part of our daily lives, existing infrastructure becomes more and more strained. 10 Gigabit Ethernet has gained traction in metro and data center applications, and continues to proliferate with the 10/100/1000 Ethernet structure in place. The presentation will cover 10 Gigabit Ethernet, how it has evolved, and how it is being implemented today.

Bio: Robert Jadon is a technology executive with roots in product management, sales and operations. He began his career as an associate at IVC, a seed stage venture capital fund focused on investment in optical networking and nanotechnology. Afterwards, he continued to Micro Memory, which developed solutions for network storage and embedded real-time applications. Micro Memory was acquired by VMETRO in 2007, where Robert continued on as a Product Manager. In 2008, VMETRO was acquired by Curtiss Wright (NYSE: CW), where Robert assumed product management responsibilities for all FPGA products. He recently left Curtiss Wright to pursue a startup opportunity, and is a member of the Tech Coast Angels.



Designing Wet Labs for Medical Device Development

Kelsey Birkett-Bennett

Wednesday, December 9 2009 7 PM
 CLU - Ahmanson Science Building

Designing wet labs for Medical Device Development poses particular challenges, and in many cases, contributes to the validation and registration process for the medical device. Kelsey Birkett-Bennett will describe those challenges and solutions to them, geared specifically to engineers and entrepreneurs.

Kelsey Birkett-Bennett
 HOK

Kelsey Birkett-Bennett is a member of the American Institute of Architects, National Association of Women in Construction and the National Fire Protection Association, having specialized in Life Sciences for nearly two decades, not limited to medical devices. At HOK, she plans and designs teaching labs, research labs, clinical labs, wet labs, containment labs, process labs, animal research labs, high-bay labs, and other high-tech facilities. Prior to HOK, Kelsey spent 15 years at Amgen designing high-tech laboratories, and has also worked with the US Government, academia, biotech and pharmaceutical companies (private & publically held), and contract labs.

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 (Changed): In general, visitor Parking is no longer permitted
 before 7 p.m. on Memorial Pkwy and adjacent
 street. However, CLU Public Safety has provided
 us with **parking passes** to download and use.

Contact: Mike Shaw, mcshaw@clunet.edu



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



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Buenaventura Section Profile

The Buenaventura Section is one of the most active in the western United States, with over 100 speaker events in the last two years, and global recognition for our Chapters and Affinity Groups. We welcome your attendance and participation in Section events!

EMBS: Chapter of the Year 2006 and 2008

LMAG: Life Member Affinity Group of the Year 2009

Buenaventura Section Chapters

Aerospace Chapter provides speaker events to members interested in the design, integration, test, and analysis of large, complex systems consisting of major subsystems that contain dissimilar electronic devices. Most of our members work on sensor systems (radar, Sonar, optics, and navigation), communications systems, command and control centers, avionics, space systems, military systems, digital signal processing simulators, and software development. Some members work on robotics, energy, and transportation systems

Communication Society Chapter a community comprised of a diverse group of industry professionals with a common interest in advancing all communications technologies.

Computer Society Chapter chapter's vision is to be the leading provider of technical information, community services, and personalized services to the ventura county's computing professionals.

Electronic Devices Circuits and Systems chapter places its interest in all aspects of the physics, engineering, theory and phenomena of electron and ion devices as well as looks at the theory, the analysis, the design (computer aided design), the practical implementation of circuits, and the application of circuit theoretic techniques to systems and to signal processing.

Engineering in Medicine and Biology Society chapter serving the needs of biomedical engineers in ventura county. Its leadership is striving to develop new ways to serve its members with modern information from remarkable speakers.

Life Member Affinity Group IEEE "Life" status is an automatic process which is based on an individual's membership record and age. The member must be at least 65 years of age and has been a member of IEEE or one of its predecessor societies such that the sum of age and years of membership equals or exceeds 100. The Buenaventura Section has the only Life Member Affinity Group in Southern California.

Microwave Theory and Techniques Society chapter promotes the theory and applications of RF, Microwave, Millimeter-wave, and Terahertz technologies.

Robotics chapter interested in both applied and theoretical issues in robotics and automation, including intelligent machines and systems used, for example, in space exploration, human services, or manufacturing, and the use of automated methods in factory, office, home, laboratory automation, transportation, and other systems to improve performance and productivity.

Buenaventura Section IEEE Officers

We welcome your involvement –We have several positions open!

Section Office – 2009/2010

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This Monthly Newsletter is distributed electronically to 2200+ IEEE members and friends of IEEE and then posted on our website:

WWW.IEEE-BUENAVENTURA.ORG

If you need to reach individuals or companies with a technical background in Ventura County and beyond, this newsletter is an ideal vehicle. We can advertise your job openings, consulting services, or conferences and events.

Please contact Steve Johnson, sfjohnso@ieee.org

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