

Spectral Lines



www.scvemc.org Santa Clara Valley Chapter of IEEE Electromagnetic Compatibility Society

October 2000 issue

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SCV EMC Society Meeting BLUETOOTH - A Viking King Tuesday, October 10, 2000

The October Santa Clara Valley EMC Society meeting will be held at SGI in Mountain View, 1600 Amphitheatre Pkwy., building 40, in the Presentation Center above the lobby. Dinner will start at 5:30, and the beginning of the presentation is at 7:30. A map with the location of the SGI campus is available in this newsletter.

The topic of this month's presentation is "**Bluetooth™**", a new 2.4 GHz wireless standard for communication between devices, named after a 10-th century king of Denmark. More information can be found at www.bluetooth.com.

We will hear about Bluetooth from Kurt Fisher, president of Hyper Corporation. A major concern is whether various wireless devices based on several standards or specifications can peacefully coexist within the same 2.4 GHz band. The IEEE 802.15 Coexistence Task Group (TG2) addresses the issue of coexistence between Wireless Personal Area Networks (WPANs) and other wireless devices, such as the IEEE 802.11 Wireless Local Area Networks (WLANs). IEEE 802.11 is a wireless extension to Ethernet that is expected to be widely deployed in office and home environments over the next few years. The Coexistence Task Group was recently formed and has established as its goals to fully characterize and understand the effects of mutual interference and to produce a Recommended Practice for WPAN devices operating in a WLAN environment. An extended vision is to assist standards development in minimizing the potential for interference among different radio systems in the unlicensed bands.

Kurt is a member of Bluetooth Test and Interoperability Working Group, a Bluetooth Qualification Body, and a voting member of IEEE 802.15 WLAN. Appointed the first Bluetooth Qualification Body (BQB) in North America, Kurt Fischer, President of Hyper Corporation has over twenty years of experience in conformity assessment services for high technology electronics. He is a member of the Bluetooth Technical Advisory Board (BTAB), a Certified A2LA Lead Laboratory Assessor and BQTF Technical Assessor, a voting member of IEEE 802.15 Working Group on Wireless Personal Area Networks (WPAN), and a NARTE Certified EMC Engineer. He listed the first product on the Bluetooth Qualified Product List. He has an extensive background in conformity assessment in the wireless and telecom industries. Kurt has had two articles on Bluetooth Qualification published this past December, and February in Approval Magazine.

Anyone interested in presenting an outline of EMC-related topics should contact Tom Cokenias (trephonc@macconnect.com) at 650-726-1263.

For more information about the newsletter and its distribution, please contact the editor Neven Pischl (npischl@cisco.com) at 408-527-7874.

BULLETIN BOARD

Every Second Tuesday of the Month: IEEE SCV EMC Society Meeting; Hans Mellberg 408-391-9694
 Every Third Tuesday of the Month: EOS/ESD Society Meeting; Dr. Leo G. Henry 510-249-6318
 Every Fourth Tuesday of the Month: Product Safety Society Meeting; Mark Montrose 408-247-5715

Don't forget to check out our local IEEE EMC Chapter web site at www.scvemc.org.

If you wish to subscribe to the EMC-Product Safety mailing list, you can do so by sending an email to "majordomo@majordomo.ieee.org", with the text "**subscribe emc-pstc**" in the body of the message. This Forum is operated by the Product Safety Technical Committee of the IEEE EMC Society. The Forum was founded to discuss product safety issues, product EMC and other product regulatory issues are also discussed.

And for those who have interest in Signal Integrity, here is how you can subscribe to the Signal Integrity List, an email list that discusses topics related to this important aspect of hardware design. To subscribe to the si-list, send the text "**subscribe si-list**" in the body (not the subject line) of an email message to "majordomo@silab.eng.sun.com". This will subscribe the Email account from which you send the message to the si-list list. If you wish to subscribe another address instead (such as a local redistribution list), you can use a command of the form: **subscribe si-list other-address@your_site.your_net**

Santa Clara EMC Society provides for a limited scholarship to a qualified student majoring in EMC related studies at San Francisco State University. A selection committee will determine eligibility. For more details, please contact Zorica Pantic-Tanner at SFSU (415-338-7739 or zpt@sfsu.edu).

Information on the Exhibition and Congress CEM EXPO 2000, which takes place on Wednesday 25th and Thursday 26th of October 2000 at UIC, Paris 15ème, France, can be found on www.cemexpo.com.

Spectral Lines is available to download from our chapter web site www.scvemc.org. Earlier this month, an e-mail test message was sent to every member whose e-mail address we have on the file. Our goal is to make the Spectral Lines available on the web, and to send e-mail meeting notifications. Starting next month, a hard copy of the newsletter will be sent only to the addressees whose e-mail information we do not have, or to the members who request a hard copy instead. **If you have received a hard copy only and if you do wish to receive emails with monthly invitations, updates, and the link to the downloadable Spectral Lines, please send a mail to Neven Pischl at npischl@cisco.com.**

We are making our best effort to send the newsletter to everyone. The official IEEE database and our database differ very much, which results in us sending too many mails. Please make sure that the information on the official IEEE list is accurate, since it is our most important resource. You can easily update your contact information at www.ieee.org/membership/coa.html.

Dated Material - Meeting Notice
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