

THE LOG PERIODIC

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

IEEE SCV EMC Society Meeting: Tuesday, May 8, 2012

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Time:

Social 5:30 p.m. Presentation 6:30 p.m.

Place:

Applied Materials Bowers Cafeteria
3090 Bowers Ave., Santa Clara, CA 95051-0804

Subject:

Dipoles for Dummies (as well as all the rest of us without a PhD in electromagnetics)

Speaker:

Henry W. Ott, Henry Ott Consultants

Abstract:

An understanding of basic antenna theory would be helpful for all engineers, especially those involved in EMC. After all, if a product radiates (or is susceptible to RF energy) it is an antenna, even if you prefer to call it something else - such as a microprocessor, an IC, a PCB, a power cord, or an USB cable.

This presentation is a simple, insightful, and intuitive discussion of how a dipole antenna works, and how the operation is related to the common-mode radiation from a product. Attendees will end up with an understanding of dipole antenna theory, and know why dipole antenna theory is so important to EMC engineering. All of this is accomplished without using mathematics or writing a single equation.

Speaker Bio:



Henry W. Ott is President and Principal Consultant of Henry Ott Consultants, an EMC training and consulting organization. He has literally: "written the book," on the subject of EMC, and is considered by many to be the nation's leading EMC educator. He is the author of the popular EMC book, Noise Reduction Techniques in Electronic Systems, (1976, 1988). The book has sold over 65,000 copies and has been translated into six other languages. In addition to knowing his subject, Mr. Ott has the rare ability to communicate that knowledge to others.

Prior to starting his own consulting company, Mr. Ott was with AT&T Bell Laboratories, Whippany, NJ, for 30 years, where he was a Distinguished Member of the Technical Staff and a consultant on EMC.

Mr. Ott is a Life Fellow of the IEEE. For over 20 years, Mr. Ott has served the EMC Society in various capacities including: membership on the Board of Directors, Education Committee Chairman, Symposium Committee Chairman and Vice President of Conferences. He is also a member of the ESD Association and a NARTE certified ESD engineer. He is a past Distinguished Lecturer of the EMC Society, and lectures extensively on the subject of EMC.

Refreshments:

Dinner and Beverages for this meeting are sponsored by Teseq, Inc.



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