Toledo Section IEEE

An Introduction to Electromagnetic Compatibility (EMC) Principles and Design

Donald Sweeney
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D.L.S. Electronic Systems, Inc.

Meeting Time and Place

Wednesday, October 17, 2001
5:30 PM - 6:00 PM . . . . . (Cash bar)
6:00 - 7:00 PM . . . . . (Dinner)
7:00 PM . . . . . (Speaker Presentation)
The Holiday Inn - French Quarter
U.S. 20 @ I-75
Perrysburg, OH

Non Members are Welcome to Attend!

Reservations

Due to the size of the room, reservations are limited to the first 48 people. Pre-paid reservations are required for this meeting and must be made by October 12th, to:

Larry Reitz
26785 Tracy Road
Walbridge, Ohio 43465
(419) 837-2202

Please specify your entree choice when making your reservation. Make checks payable to: IEEE - Toledo Section

The Speaker

Donald Sweeney, Senior EMC Engineer and President of D.L.S. Electronic Systems, Inc. is a graduate of the University of Illinois. Most of his time has been devoted to solving problems in electromagnetic engineering and closely related disciplines. He has worked for Extel, Teletype, Gates, and Collins Radio prior to forming D.L.S., a Wheeling, Illinois based company. He specializes in EMC, RFI, and EMI consulting and testing. Don has taught at the University of Wisconsin for over six years, and consults nationwide. He has served as a special consulant to Lawrence Livermore National Laboratory and the Nuclear Regulatory Commission.

He has served as the Chicago area Chairman of the IEEE EMC Society, and on the Board of Directors of the IEEE EMC Society. Mr. Sweeney is also the founding chairman of the U.S. Council of EMC Laboratories, and a NARTE certified EMC Engineer.

Menu Selections

Dinners include your choice of salad, potato or rice, vegetable, rolls & butter, beverage, and ice cream or sherbet.

Baked Virginia Ham with Fruit Sauce	**$20.00**
Supreme Breast of Chicken over Rice	**$20.00**

Abstract

Today almost every electronic device must meet some EMC requirements to be marketed, or to survive in today's rapidly expanding hostile RF environment. Horror stories of EMC mishaps surface from nuclear power stations shutting down to airplanes going off course. It is the project engineer's job to determine what requirements must be met, and to see that the proper testing is performed before a product is shipped. This presentation will include an overview of how a circuit becomes a radio transmitter, the design and shielding process, and how some testing is performed.

October 2001 Technical Meeting