



Membership Not
Required To Attend



Technical Meeting

Thursday May 21, 2009 5:30 pm – 7:30 pm

Speaker:

Mr. Michael Hopkins of Amber Precision “ESD Susceptibility Scanning”

Meal Sponsor:

Mr. Michael Hopkins of Amber Precision “Barbeque Pork & Chicken Dinner”

Meeting Location:

ADTRAN Inc. 2 East Conference Center Room #273

The Huntsville chapter of the IEEE Electromagnetic Compatibility (EMC) Society invites you to attend a technical meeting on May 21, 2009. The program will begin at 5:30 pm with Mr. Michael Hopkins of Amber Precision sponsoring a free catered meal. Mr. Hopkin’s presentation will begin at approximately 6:20 pm after a short chapter status update, and will last about one hour.

Abstract: There is a disconnect in the EMC world between system manufacturers testing systems for upset and device manufacturers testing devices for failure. Some system level manufacturers are pushing device manufacturers to test semiconductor devices using system level compliance standards – specifically, IEC 61000-4-2 for ESD (Electrostatic Discharge). I’m sure the product manufacturers believe that if devices are qualified to IEC standard(s), finished products will likewise be qualified. Unfortunately, there is a fundamental difference between system level and device level testing; fortunately however, this difference can be bridged using susceptibility scanning.

Manufacturers have used crude methods of susceptibility scanning for some time but new automated methods and software analysis allow quickly pinpointing sensitive circuits and devices down to specific pins on an IC. Software allows not only the identification of sensitive areas, but can plot the relative sensitivities providing a 3 dimensional look at a circuit’s susceptibility.

The meeting will be held at the ADTRAN in the 2 East Conference Center Room #273. The directions are included on page 2 ([follow the blue line on the map](#)).

This event is open to anyone interested in EMC: IEEE membership is not required to attend.

Amber Precision is sponsoring the free catered meal. Seating is limited, so **please RSVP to Paul Stover** (paul.stover@adtran.com) by close of business **May 19, 2009** with your intent to attend and if you will be joining us for the meal.

I hope to see you there!

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IEEE EMCS website: <http://www.ewh.ieee.org/soc/emcs/>

