

IEEE EMCFest'2009
 C/O Kimball Williams
 Denso Americas International
 24777 Denso Drive
 Southfield, MI 48086
 USA

ADVANCE PROGRAM



The Southeastern Michigan EMC
 Chapter Proudly Presents:
EMCFest '2009

**Practical EMC
 Measurement
 Techniques**

A Tutorial and Exhibition
 With Honored Guest Speaker

Lee Hill
EMC Consultant
 On

Thursday, May 21, 2009

At

Canton Summit on the Park
Canton, Michigan
 46000 Summit Parkway
 Canton, Michigan 48188
 (734) 394-5480

*IEEE Electromagnetic Compatibility (EMC)
 Society. EMCFest'2009 Home Page:*

<http://www.emcsociety.org/emcfest>

Register On-Line!

Program Outline
Thursday May 21, 2009

7:30	REGISTRATION & EXHIBITS CONTINENTAL BREAKFAST
8:30	Ferrites for EMI control in PCBs and cable assemblies How to choose ferrites for optimum noise suppression in a particular application. Specific topics include Q, bias, resonance, material, and construction.
10:00	Break & Exhibits
10:30	Specialized measurement techniques Part 1 Lee will demonstrate the characterization of passive RF components such as cables, adapters and antennas.
12:00	LUNCH
1:30	How to make a PCB a great noise source and fail emissions testing Common EMC design mistakes as well as good design practices based on university EMC design research.
3:00	Break 7 Exhibits
3:30	Specialized measurement techniques Part 2 Unusual troubleshooting techniques will be demonstrated using common tools.
5:00	Close of EMCFest

NOTE: breaks will be scheduled at the speaker's discretion. Table-top displays (exhibits) will be open during registration, lunch, all breaks, and the reception. Access to the table-top displays is available during the technical sessions, but the displays may not be manned during those times.

The Program: Practical EMC Measurement Techniques



Lee Hill is Founding Partner of SILENT, an independent electromagnetic compatibility (EMC) and RF design firm established in 1992 that specializes in design for EMC, EMC troubleshooting, & RF design and training. Lee received the Master of Science Degree in Electrical Engineering & Electromagnetics from the University of Missouri-Rolla, and the Bachelor of Science Degree in Electrical Engineering from the Rochester Institute of Technology.

Lee has twenty years of experience in the EMC design and retrofit of complex electronic systems. He has been teaching short courses on EMC design and troubleshooting for fifteen years. Lee consults and teaches worldwide, and has presented classes in Taiwan, Singapore, Mexico, Norway, Canada, South Korea, and United Kingdom.

He has completed a three-year term on the Editorial Review Board of Printed Circuit Design Magazine and served as an EMC

instructor for HP and Agilent. Lee holds a US patent for EMI control in portable electronics, and provides expert witness services for patent litigation.

Lee is a recent member of the IEEE EMC Society Board of Directors (2004-2007), and is a member of Technical Committee TC-10 on Signal Integrity. Lee is currently serving as a member of the EMC Society's Awards Committee, and is writing guest columns for Electronic Design Magazine.

FEE SCHEDULE	
IEEE Members, Registered before May 1	\$25
IEEE Members, After May 1 and at Door	\$50
Non IEEE Member Additional Charge:	\$25
Full-time Students with copy of valid Student I.D., Registered:	\$10
Unemployed / Retired IEEE Member	\$10
Tutorial CD ROM, with advance registration:	Free
Tutorial CD ROM, additional copies ordered by May 1*:	\$25
* After May 1: Subject to availability	

Register On-Line!

The registration fee includes one copy of the tutorial record, continental breakfast, lunch, and reception. The organizing committee reserves the right to substitute speakers, restrict size, or to cancel the tutorial. In the event EMC Fest 2009 is canceled by the organizing committee, registration fees only will be fully refunded. Individuals canceling their registration prior to May 1, 2009 will receive a full refund.

No refunds will be made to individuals who cancel their registration after May 1.

Attendance is limited. Registration will be confirmed on a first come, first served basis.

<http://www.emcsociety.org/emcfest>

EMCFest'2009 Home Page:

<http://www.emcsociety.org/>

IEEE EMCFest Committee

Committee Chair
Kimball Williams
Denso International America Inc
248-372-8074
kimball@emcsociety.org

CD ROMs, Vendor Exhibits & Dinner
Robert Kado
Chrysler
248-576-6915
rob@emcsociety.org

Registrations & Website
Scott Lytle
Yazaki North America
734-983-6012
scott@emcsociety.org

Treasurer
Matt Feusse
734-983-6004
matt@emcsociety.org

Technical Program
Suriano Solutions
248-852-4323
candace@emcsociety.org

Hotel Information

*Comfort Inn – Plymouth Clock Tower is offering reduced room rates for reservations. IEEE Special Room rates of \$68 are available (single or double occupancy), plus tax which includes free in-room internet, continental breakfast and local calls. There are a LIMITED number of hotel rooms at this price. You must mention "IEEE EMC Fest" to get this special rate and reserve your room by May 1st. After which rooms and rates are subject to availability. The Comfort Inn Plymouth is located 15 miles from Detroit Metropolitan Airport. Contact Tamera Dye at 734-455-8100 X412 to make arrangements.

Airport shuttle NOT available through hotel.
Taxi fare one way is approximately \$25-30.