



Chairperson: Paul Stover

Welcome to the IEEE EMC Huntsville Chapter!

Here is important meeting information for all EMC Engineers & Technical Support Staff

You are invited to our next
IEEE EMC Society Chapter Meeting
Thursday May 20th, 2004

"Breaking Entry"

(High Performance Shielding Solutions For Demanding Application Environments)

About the Topic:

Many electronic devices that are common and necessary to everyday life demand EMI shielding solutions that surpass normal product characteristics in order to withstand the uncommon demands of their applications. In many fields, such as military, medical, industrial and the telecommunication backbone critical performance and reliability requirements are the norm. **In these situations a shielding problem could mean the loss of money or even of a life.**

Electrically conductive elastomer gaskets and microwave absorbers are used in the military marketplace to reduce electromagnetic interference and radar cross-sections as well as to modify antenna patterns. The introduction of wireless technology at microwave frequencies has created a need in the telecommunications and IT industries for GHz level shielding in densely populated environments with long-term reliability. These and other such critical applications have their own unique requirements for shielding products and materials. These applications often need products that can resist aggressive fluids, minimize corrosion damage, function over wide temperature ranges, create water tight seals or shield at very high frequencies. This presentation will focus on how the electrical, mechanical and physical properties of normal commercial products shielding products can be strategically altered to handle the toughest field conditions.

Presented by: <http://www.lairdtech.com>

Rick Johnson - R&F Products Division of Laird Technologies

Rick Johnson is cofounder and current president of R&F Products. R&F Products in San Marcos, specializes in the design, manufacture and test of microwave absorbers. R&F Products was founded in 1996 to serve the military market as well as the introduction of absorbers into the commercial market. Prior to starting R&F Products, Rick was president of GEC-Marconi Materials in San Diego. This division of GEC-Marconi specialized in microwave absorbers, radar absorbing structures, radomes, and composite structures. Mr. Johnson has a BS in Chemistry and an MBA. He is coauthor of four patents on microwave absorbers.

Mike Lambert – EMI Division of Laird Technologies

Mike Lambert is Manager of Product Development and Analysis as well as Manager of the World Compliance Center at the Laird Technologies headquarters in Delaware Water Gap, PA. He has been with Laird Technologies companies since 1997 and has author or coauthored three EMI product patents. Recently Mike has focussed on shielding products for military applications, filler processing technology and next generation vent panels products. Prior to joining Laird Technologies Mike had worked for Allied-Signals Amorphous Metals Division and Bethlehem Steels Homer Research Labs. Mr. Lambert has a BS and MS in Materials Engineering.

Time:

Social Gathering: 5:30pm
Meeting Start: 6:00pm
Meeting End: 7:30pm

Location:

ADTRAN Campus
5th Floor Bridge Training Room
901 Explorer Blvd., Huntsville, Alabama

Reservations & Directions:

Contact: Allan Flack (Secretary)

Phone: 256-722-4930

RSVP for Catering:

Tues May 18th

to: aflack@ab-com.cc

Refreshments by:

Vicor, Inc.

Gabe Pietromonaco



Huntsville, AL Chapter

Chairperson: Paul Stover - paul.stover@adtran.com
Co-Chairperson: Tony Clark - tony.clark@nasa.gov
Secretary: Allan Flack - aflack@ab-com.cc

2004 Chapter Meeting Schedule

DATES	Topic	Speaker	Refreshments Sponsor
Jan 22 nd	Spectrum Anly vs EMI Test Recvrs	Rhode and Schwarz - Dortch Walker dortch.walker@rsa.rhode-schwarz.com	WEMS Electronics - Rodney Boyd rodneyboyd72@alltel.net
Feb 19 th	Resisting Electromagnetic Radiation	RTTC -Dr. Mark Waller marsellas.waller@US.Army.mil	Underwriters Lab - Vic Powley
Mar 18 th Inc.	High Intensity Radiated Susceptibility Testing using Antenna and Quasi-static Field	- Dr. Jim McLean jmclean@tdkrf.com	TDK RF Solutions ERC - Tim Travis tim.j.travis@us.army.mil
Apr 15 th	Co-ax Cable Makes a Difference	SEMFLEX - Stan Hardin - Jerry Parson www.semflex.com	ADTRAN - jeff.whitmire@adtran.com
May 20 th	Shielding – Breaking Entry (Shielding for Military Applications)	Laird Technologies - Mike Lambert Advanced Engineering Materials Manager - Rick Johnson Engineering Manager R&F Products http://www.lairdtech.com/	Vicor, Inc. - Gabe Pietromonaco www.vicr.com Novus SSI Chris Taylor www.novusssi.com

Summer Break

Aug 19 th	TBD – (Topic TBD)	EMC Compliance - Ken Javor
Sep 16 th	TBD	ADTRAN
Oct 21 st	TBD	ADTRAN

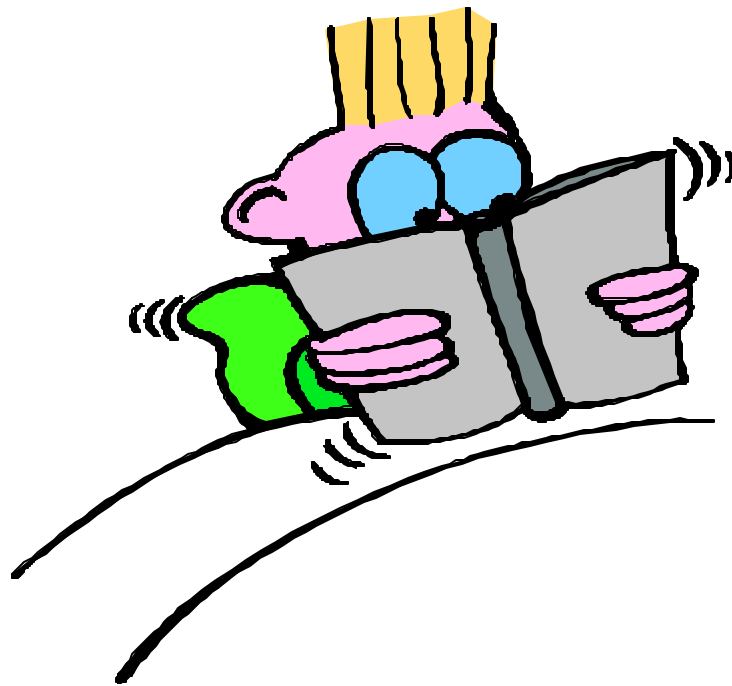


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CALL FOR PRESENTATIONS

Engineers & Technical Officers



The EMC chapter wants to:

**awaken, bestir, challenge, kindle, rally, rouse, wake,
waken, whet, excite, work up, electrify, thrill; fire, inflame**

all Local Chapter members to use the forum to present topics on EMC subjects being encountered on a day to day basis within their work environment.

Ken Javor (ken.javor@emccompliance.com) is seeking expressions of interest from all members to fill the above meeting slots. *Short War stories from members would be stunning.*

Presentation Referrals (Speakers/Vendors):

If you do not want to present a topic yourself, Ken would appreciate getting pointers to other EMC technical resources either locally or externally, that he can approach on our behalf.

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MINUTES OF MEETING

Date: Thursday April 15th, 2004
Location: Adtran, Training Room

Attendance:

Total:	27
IEEE Members:	13
EMC Members:	12
Students:	N/A
Other:	14
New attendees:	4

1. Meeting Chaired by Paul Stover. Participants welcomed
2. Jeff Whitmire – Adtran, Inc. spoke to the meeting regarding Adtran’s continuing support of the Chapter.
3. The Secretary presented a verbal summation of the Minutes March 18th Meeting.
Minute summary accepted.
4. Chapter Website: Derek Foster & Paul Stover reported on progress with website.
5. Paul Stover spoke concerning the post summer break meetings and prompted members regarding the need to locate more sponsors for the remaining meetings
6. Paul Stover and Tony Clark led a discussion regarding the dissemination of members contact info to those requesting it. The discussion ranged across a number of options:
 - How to provide a two way street for active members and vendors
 - Suggestion from Charles that vendors have links on Chapter websites
 - Tony Clark reviewed 3 options:
 - Everyone has access
 - Closed to members only
 - Allow members to opt out from list dissemination
 - Derek answered questions regarding member logins on the website that in turn would allow access to the Chapters members.
 - Meeting resolved to have executive establish as guideline
7. There was no “Business Arising” from the above discussions.
8. Paul closed the formal part of the meeting and welcomed Jerry Parsons from Semflex and Darrel Jones from Electronic Marketing (EMA, Inc) to the Podium to present co-ax cable manufacturing techniques as it relates to EMC end users.
9. After Jerry concluded his detailed presentation the meeting concluded at 7:45PM.

The above is a true record of the meeting:

Signed: _____
Chairperson

Date: