

IEEE EMCS

Huntsville, Alabama Chapter

Monthly Technical Meeting

January 12, 2006

<b>Time (pm)</b>	<b>Activity</b>
5:30 - 6	Social/meal/sign in
6 - 6:30	Chapter business
6:30 - 7:15	Technical presentation
7:15 - 7:30	Question/Answer, Wrap up
7:30	Adjourn

## Agenda

1. Meal/Sign in
2. Sponsor remarks
3. Chapter business
  - a. Old business
  - b. New business
4. Technical presentation - Mr. Ken Javor

## Old Business

1. Introduction of new chapter officers
2. Review of 27 October meeting
3. 2006 Meeting schedule

- Chair: Glenn Shelby
  - Employer: NASA
  - email: [glenn.shelby@nasa.gov](mailto:glenn.shelby@nasa.gov)
  - phone: 256.544.0694
  
- Vice Chair: Tom Perry
  - Employer: Jacobs Sverdup
  - email: [thomas.a.perry@nasa.gov](mailto:thomas.a.perry@nasa.gov)
  - phone: 256.544.0744
  
- Secretary: Tim Travis
  - Employer: ERC, Inc
  - email: [tim.j.travis@us.army.mil](mailto:tim.j.travis@us.army.mil)
  - phone: 256.955.9154

- Approximately 15 members present
- Discussed loss of momentum in 2005
- Group consensus was that enough interest existed to continue the chapter
- Decided to move monthly meetings from 3rd Thursday to 2nd Thursday to better accommodate member needs
- Decided on 2006 meeting schedule (4 technical meetings, April table top event, and 2 business meetings)
- ADTRAN has graciously agreed to host all 2006 monthly meetings
- Formed steering committees to address two major areas: April table top event and new member recruitment

Date	Location	Topic	Presenter	Sponsor
Jan 12	ADTRAN	Radiated Electric Field Control	Ken Javor, EMC Compliance	ERC, Inc.
Feb 9	ADTRAN			
Mar 9	ADTRAN	To Be Decided	Daryl Gerke Kimmel Gerke Assoc	
Apr 13	Holiday Inn	Table Top Event	Various	N/A
Aug 10	ADTRAN			Underwriter's Lab
Sept 14	ADTRAN	To Be Determined	EMCS Distinguished Lecturer	
Oct 12	ADTRAN	Business Meeting	N/A	N/A



Speaker/sponsor needed

## New Business

1. March meeting topic selection
2. Kimmel Gerke Huntsville seminar
3. EMCS Distinguished Lecturer selection
4. April table top event
5. New member drive
6. Chapter brochure development
7. Search for new webmaster
8. Call for volunteers

- Well-known EMI guru **Daryl Gerke** of Kimmel Gerke Associates has agreed to speak at the 9 March meeting
- Daryl has given us a choice of two topics:
  - **"How to Design to Fail EMC Tests... in 20 Easy Steps."** A tongue-in cheek approach to EMC. We explore the new design paradigm known as DTF, or "Design to Fail", founded by our dear friend to EMC, Dr. Murphy. Feel free to add you own DTF approaches to our list. Presented at quite a few EMC chapters over the years.
  - **"Mysteries of Grounding"**. A more serious look at grounding, an important but highly misunderstood aspect of EMC. We'll look at various grounding techniques (single point, multi point, and hybrid grounds) and provide design guidelines on when and how to use these methods. Originally presented as a tutorial at a EMC Symposium, and since shared with several chapters.
- **Topic selection will be made via email poll week of 16 Jan**

- Kimmel Gerke Associates, in association with Tektronix, is planning to hold a three day EMC seminar in Huntsville
- Dates: 8-10 March 2006
- Location: To be announced
- Website: [www.emiguru.com](http://www.emiguru.com) (Huntsville event not on website yet)
- Phone: 800.763.3133 (Tektronix Seminars)
  
- Two day course: Grounding and Shielding
- One day course: EMC and Signal Integrity in Printed Circuit Boards
  
- You can sign up for only the two day, only the one day, or all three days

- We plan to have an EMCS Distinguished Lecturer present at either our August or September monthly meeting
- IEEE EMCS will reimburse \$750 for DL travel expenses per engagement
- Cost sharing of expenses with local chapter is encouraged: local travel, meals, etc.

## **2006 EMCS DL**

- Dr. Heyno Garbe (Univ. of Hanover, Germany)
- Dr. Christopher Holloway (NIST)
- Dr. David Pommerenke (Univ. Missouri Rolla)
- TBD
- TBD
  
- Lecturers and topics can be found at:  
<http://www.ewh.ieee.org/soc/emcs/acstrial/distinlec.htm>
- Each lecturer has multiple topics to select from
  
- **Speaker and topic selection will be made via email poll**

- The chapter is planning to host a one-day EMC table top event in Huntsville
- Planned date is Thursday April 13, 2006
- Location is Select Hotel by Holiday Inn (the old Hilton by the VBCC where we held the 2005 EMC table top show)
- Main differences from 2005 show:
  - The event will be put on by the chapter rather than vendors
  - Profits will be used to fund future chapter activities
  - Full day instead of half day
  - Buffet lunch and break refreshments rather than evening reception
  - Local speakers and one “big name EMC speaker” rather than vendor talks
- Status
  - Hotel visited and proposal received
  - Vendors being recruited
  - Speakers being recruited
  - “Big name EMC speaker” being recruited
- **Discussion topics**
  - “Big name EMC speaker” vs. local speakers only
  - What are attendees willing to pay? (Current estimate is \$35 w/o big name speaker)
  - What topics do you want to see?

- Services needed:
  - Someone to make approximately 100 copies of the event proceedings
- Help needed:
  - Identify and contact potential vendor exhibitors
  - Volunteer as a session speaker
  - Develop event brochure
  - Mail event brochure
  - Help with show setup/teardown
  - Help with attendee registration at the show

- At the 27 October meeting Tom Perry volunteered to head up the new member drive
- Overall goal is to get new people involved in our chapter: contact 5 new organizations for each monthly meeting
- Currently Tom is working to obtain IEEE membership lists from various sources
- **How you can contribute:**
  - Provide your current contact information, including company
  - Identify sources of current Huntsville company listings
  - Coordinate with companies we should contact
  - Coordinate with UAH and A&M student chapters on their participation in the chapter

- Goal is to develop a brochure to advertise our Huntsville EMC chapter existence, activities, contact information, etc.
- Copies would be distributed to:
  - Our own companies and labs
  - Our own companies and lab's customers
  - Local companies
- Brochure would also be used in the new member drive
- **How can you contribute:**
  - Volunteer to lead the activity
  - Volunteer to help with the brochure content
  - Volunteer to design the brochure electronically

- Steve Payne (our 2005 webmaster) is unable to continue in 2006
- Steve as agreed to continue as webmaster at a low level until someone else volunteers
- Current website is in good shape
  
- Minimum requirements for new webmaster would be to keep site functioning and add new information from time to time (1-2 hours per month)
- Additional improvements (which would be much welcomed) are limited only by the time/energy/experience/imagination of the new webmaster
  
- **If interested, please contact any Chapter officer**

- The current officers are striving to spread the chapter workload
  - Encourage new ideas and different perspectives
  - Expand chapter leadership base
- Volunteering has many personal benefits
  - Develop your leadership ability
  - Develop your ability to work with a team
  - Get to know your fellow local and national EMC practitioners
  - See “the bigger picture” outside your job
  - Unlike your day job, you can’t be fired!
- **How you can help:**
  - Volunteer to help with activities discussed tonight
  - Take on something that interests you that may not have been thought of yet
  - As a minimum:
    - Respond to the periodic chapter emails
    - Register your preferences when being polled

## Technical Presentation

“Radiated Electric Field Control:  
Where we’ve been, Where we’re going”

Mr. Ken Javor

EMC Compliance

256.650.5261

[www.emccompliance.com](http://www.emccompliance.com)