

# **Electromagnetic Compatibility (EMC) Society**



**IEEE Central Texas Section**

**IEEE**

**Regular Chapter Meeting  
February 25<sup>th</sup>, 2009  
Austin, TX**

# Agenda

- EMCS Chapter Meeting
  - Introduction
  - Officers Reports
  - Unfinished Business
  - New Business
- Technical Presentation

# Agenda

- EMCS Chapter Meeting
  - Introduction
  - Officers Reports
  - Unfinished Business
  - New Business
- Technical Presentation

# Chapter Leadership Team

- **Chair - Ross Carlton**  
National Instruments, ross.carlton@ni.com
- **Vice Chair - Mike Royer**  
Foxconn, mroyer@mikeroyer.com
- **Secretary/Treasurer - Mark Prchlik**  
Panashield, mark@prchlik.com

# Introductions

- Name
- Company or school
- Your connection to or interest in EMC

# Chapter Information

- Overview
  - Provides a forum for local EMC professionals to interact, network, and increase technical competency.
  - Meetings generally consist of a Chapter meeting followed by a technical presentation on an EMC related topic.
  - Meetings are informal and member participation and discussion is encouraged.
  - Open to any interested in EMC.
  - No charge for attending.

# Chapter Information

- **Web Site**

<http://ewh.ieee.org/soc/emcs/chapters/centraltexas/index.html>



IEEE EMC SOCIETY  
Central Texas Chapter

**CENTRALTEXASEMC.ORG**

[Calendar](#)

**Meeting Locations**  
**National Instruments**  
11500 North MoPac  
Expressway  
Building C, Room 1S15  
[Click for map](#)

**Professional Testing**  
10 meter Chamber  
[Click for map](#)

**Dell, Inc: PS-4**  
Victoria Conference Room  
Farmer & McAllen Pass  
[Click for Map \(Word zip file\)](#)

[About the Chapter](#)  
[About EMC](#)  
[Officers and Contacts](#)  
[Links](#)  
[2009 EMC Symposium - Austin](#)  
[EMC Jobs](#)  
[EMC Resúmes](#)  
[Local EMC Services](#)  
[Product Safety](#)

Welcome to the official website of the Central Texas Chapter of the IEEE EMC Society. As part of the Central Texas Section of the IEEE, our chapter is open to those interested in the field of Electromagnetic Compatibility (EMC) design, test, and certification. Our members include technicians, engineers, consultants, and other professionals ranging in expertise from entry level to those of international renown.

EMC or Electromagnetic Compatibility is described as a products ability to function as intended in its electromagnetic environment. This includes mitigation of noise from computing equipment that can interfere with radio reception, mobile phones that can interfere with hearing aids, or radar transmitters that can interfere with Avionics.

EMC is generally considered to be discipline acquired through self-study. To assist the EMC profession, our chapter activities are intended to provide invaluable continuing education, professional development and networking opportunities for those with similar interest, issues, and experiences. In today's environment of self-managed career development, your EMC chapter is here to help.

If you would like to contribute to a chapter meeting by sponsoring a meal or nominating a speaker for a chapter meeting, please contact one of the Chapter officers (see "Officers and Contacts" link).

This year, this Chapter is hosting the IEEE EMC Symposium in August 2009. This is an international conference event featuring trade show booths, and technical presentations. If you would like to be involved, please contact the Symposium Chair, Dave Staggs (see "Officers and Contacts" link), to see how you can help.

Please check this website often to verify meeting date/time/location and speaker bio/topic.

We look forward to seeing you at our next meeting.  
Ross Carlton, Chapter Chairman 2009

**IEEE**

Product Safety updated May 1, 2006 JOBS updated Sep 26, 2008. Resúmes updated July 19, 2007 2009 Symposium information [here](#)  
Calendar updated Jan 23, 2009. Local EMC Services updated January 13, 2008. Send comments about this web site to Tim Stevens (see officers page)

**IEEE EMC Society - Central Texas Chapter**



# Chapter Information

- Planned Meetings for 2009

Month	Topic	* EMCS Distinguished Lecturer
January	NO MEETING	
February	CISPR-Average/RMS detectors and FFT scan techniques, James Young, R&S	
March	Introduction to Antennas for EMC, Dr. Vince Rodriguez, ETS-Lindgren	
April	Issues in Achieving Field Uniformity from 1 GHz to 6 GHz, Tom Mullineaux, Milmega	
May *	The Ten Habits of Highly Successful Board Designers, Eric Bogatin, Bogatin Ent. *	
June *	Engineering Aspects of Electromagnetic Shielding, Dr. Sergiu Radu, Sun *	
July	EMC Regulations for ITE Products, Richard Worley, Dell	
August	NO MEETING – 2009 IEEE EMC Symposium	
September	Open	
October	Open	
November	NO MEETING	
December	Christmas Party	



# 2009 IEEE EMC Symposium

- Updates
  - Received
    - 192 papers
    - 29 workshop and tutorial proposals
    - 7 special session proposals

The screenshot shows the homepage of the IEEE EMC 2009 Symposium website. The browser address bar displays "http://www.emc2009.org/". The page features a yellow header with the text "IEEE SYMPOSIUM EMC Austin Style August 17-21 2009". A left sidebar contains navigation links such as "Home", "Technical Program", "Paper Submissions", and "Call for Musicians". The main content area includes a "Your Invitation to an Exceptional Event" section, a "Call for Papers" section with a "Click Here" link, a "Benefits of Attending" section with a bulleted list of advantages, and a "Getting Here" section. On the right side, there are two vertical banners for "interference technology" advertising "For 100% EMC news, forums, new EMC technologies click here". The footer includes the IEEE logo and the text "Celebrating 125 Years of Engineering the Future".

# Agenda

- EMCS Chapter Meeting
  - Introduction
  - Officers Reports
  - Unfinished Business
  - New Business
- Technical Presentation

# 2009 Chapter Budget

- Submitted 2009 budget last November.
- Section funding
  - The Section lost money last year.
  - Budgets this year are tight.
- EMCS Chapter
  - Requested: \$2500
  - Received: \$800

# CTS Planning Meeting

- Saturday, January 24<sup>th</sup> in San Marcos
  - CTS Officers Reports
  - CTS Chapter Reports
  - EMCS Chapter Report
    - Chapter status
    - Chapter plans for 2009
    - Discussed need for a Chapter bank account.
    - Announced the 2009 IEEE EMC Symposium.

# CTS Planning Meeting

- Takeaways
  - Section has 4717 members and 7933 subscribers to the Analog.
  - Section Activities for 2009
    - Maker Faire ([www.makerfaire.com](http://www.makerfaire.com))
    - Future City ([www.futurecity.org/](http://www.futurecity.org/))
      - Engineering competition for 7<sup>th</sup>/8<sup>th</sup> grade students.
    - E-Week ([www.eweek.org](http://www.eweek.org))
    - Chapter Chair luncheons (2)
    - Section Meetings (2)

# CTS Planning Meeting

- Takeaways

- [IEEE 125<sup>th</sup> Anniversary \(www.ieee125.org\)](http://www.ieee125.org)

- Official anniversary date is May 13, 2009.
- IEEE will sponsor a special event in Austin.
- Coincident with the Austin Chamber of Commerce's "Austin Brain Party" scheduled for April 30<sup>th</sup>.
- Details still being finalized.



# CTS Planning Meeting

- Takeaways
  - Teacher In-Service Program (TISP)
    - Share your technical expertise and demonstrate the application of engineering concepts to support the teaching and learning of science, mathematics and technology.
    - The IEEE web site or TryEngineering.org has more information and lesson plans.
    - Contact: Dean Schneider - CTS Education Chair ([d.schneider@ieee.org](mailto:d.schneider@ieee.org))

# Agenda

- EMCS Chapter Meeting
  - Introduction
  - Officers Reports
  - Unfinished Business
  - New Business
- Technical Presentation



# Unfinished Business

- IEEE concentration banking account
  - Requested Chapter account approval from the Section.
    - Section wants to establish a history with the Chapter first.
    - Requires ongoing commitment and reporting by Chapter officers.
  - Chapter needs to determine if the need offsets the requirements

# Unfinished Business

- Need MOU with Section on Symposium
  - Chapter has MOU with EMCS.
  - Need MOU with Section.
    - Identify needed Section support.
    - Define financial arrangement with Section.
  - Connected Symposium Chair with Section Conferences Chair.

# Agenda

- **EMCS Chapter Meeting**
  - Introduction
  - Officers Reports
  - Unfinished Business
  - **New Business**
- Technical Presentation

**QUESTIONS?**

**COMMENTS?**

**OBSERVATION?**

# Agenda

- EMCS Chapter Meeting
  - Introduction
  - Officers Reports
  - Unfinished Business
  - New Business
- **Technical Presentation**

# See You Next Time

**Wednesday, March 25, 2009**

**Dr. Vince Rodriguez, Senior Principal Antenna Engineer at ETS-Lindgren, will discuss antenna basics – including antenna designs, performance and usage – and considerations for EMC and antenna characterization measurements.**