

# EMC Society



Central Texas Section

Chapter Meeting  
January 16, 2013  
Austin, TX

IEEE

# Tonight's Sponsor



A screenshot of the PMT website homepage as viewed in a web browser. The browser's address bar shows 'http://www.p-mtinc.com/casabil...'. The website has a blue header with the PMT logo and navigation links: HOME, ABOUT US, CAPABILITIES, THE PROCESS, FAQ, SAMPLES, CONTACT US. Below the header, there are four images showing industrial manufacturing processes. A 'KEY CAPABILITIES' section contains text about solving EMI, RFI, and ESD problems. To the right of this text is a graph titled 'EMI/RFI/ESD Protection Options' with 'Suitability' on the x-axis and 'S' on the y-axis. The graph plots four options: Metal Case (top-left), Plastic with Internal Metal Case (top-right), Paint (bottom-left), and ThinFilm Metallization (bottom-right). A 'SUPPORTING SERVICES' section lists design consulting, secondary assembly services, and leveraging relationships with molders and die casters. The footer includes copyright information for 2011 and a 'Site Map' icon.

IEEE EMC Society - Central Texas Chapter



# Agenda

- Chapter Meeting
  - Introduction
  - Chapter calendar
  - News
  - Volunteer opportunities
- Technical Presentation

# Introductions

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

# Introductions

- Chapter Leadership Team
  - Chair - Ross Carlton  
National Instruments, [ross.carlton@ni.com](mailto:ross.carlton@ni.com)
  - Vice Chair – Jack McFadden  
ETS-Lindgren, [jack.mcfadden@ets-lindgren.com](mailto:jack.mcfadden@ets-lindgren.com)
  - Secretary/Treasurer - Mark Prchlik  
ETS-Lindgren, [mark.prchlik@ets-lindgren.com](mailto:mark.prchlik@ets-lindgren.com)



# Chapter Calendar

- 2012 Technical Program

\* EMCS Distinguished Lecturer

Month	Topic
January	No meeting.
February	<i>Radiated Spurious Emissions Testing for Wireless Devices; Jari Vikstedt; ETS</i>
March	No meeting.
April	No meeting.
May	<i>Radiated Emissions Testing at 3 Meters and 10 Meters - New Developments in Standards; Dan Hoolihan; EMC Consultant</i>
June	<i>Using simulated instruments to develop and edit automated EMC test procedures; Joe Tannehill; ETS-Lindgren</i>
July	No meeting.
August	No meeting.
September	No meeting.
October *	<i>Differential Signaling Is the Opiate of the Masses; Sam Connor; IBM</i>
November	<i>Expediting EMC Measurements using Time Domain Reflectometry; Zhong Chen (ETS) and Greg Kiemel (NW EMC)</i>
December	No meeting.





# Chapter Calendar

- 2013 Technical Program

\* EMCS Distinguished Lecturer

Month	Topic
→ January	<i>EMI/RFI Shielding Alternatives in Today's Environment</i> ;Richard Allen; Plastic Metals Technologies
February	<i>Electromagnetic Compatibility of Multimedia Equipment: The Emission Requirements of CISPR 32:2012</i> ; Don Heirman; Don Heirman Consultants
March	TBD
April	TBD
May	TBD
June	<i>Topic TBD; Richard Worley; Dell (joint meeting with PSES)</i>
July	TBD
August	No meeting.
September	TBD
October	TBD
November	TBD
December	TBD

# Chapter Calendar

- 2013 Administrative Activities
  - January
    - Install new officers
    - Receive budget from Section
    - Biannual Cen-Tex Section meeting
      - Saturday, January 26, 7:45 AM to 3:00 PM
      - Texas State University, RF Mitte Building, Rm 5242, San Marcos, Texas
      - RSVP: Please register using IEEE Vtools at:
        - [https://meetings.vtools.ieee.org/meeting\\_view/list\\_meeting/15649](https://meetings.vtools.ieee.org/meeting_view/list_meeting/15649)



# News

- IEEE CTS Future City Competition
  - Judges needed!
  - Contest information
    - Saturday, January 19, 7:00 AM to 4:00 PM in San Marcos, TX
    - For more information, go to [www.futurecity.org](http://www.futurecity.org) or contact Carlos Luna [carlos.luna@saws.org](mailto:carlos.luna@saws.org), (210) 663-0980
    - Judge registration:  
<http://futurecity.org/region/competition-judges>

# News

- Local Conferences
  - 2013 Radio Wireless Week
    - 20 – 23 January 2013 at the Renaissance Hotel
    - [www.radiowirelessweek.org](http://www.radiowirelessweek.org)
    - Co-located conferences
      - IEEE Topical Conference on Power Amplifiers for Wireless and Radio Applications (PAWR)
      - IEEE Radio and Wireless Symposium (RWS)
      - IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet)

# News

- Local Conferences
  - Electron Devices Society MQ 2013
    - May 10, 2013 at Freescale (Parmer location)
    - A one-day event focused on ESD and related topics
    - Agenda is forthcoming

# News

- 2013 IEEE EMC Symposium
  - Papers and session proposals due this month.
  - Benefits
    - 3 days of technical papers
    - 2 days of tutorials & workshops
    - Committee meetings
    - Networking events



# Volunteer Opportunities

- The Chapter has many needs, including
  - Technical Program
  - Conferences
  - Student Liaison
  - Webmaster

Please contact an officer for more information.

# Technical Presentation

## EMI/RFI Shielding Alternatives in Today's Environment

by Richard Allen, Plastic-Metals Technologies

# Wrap-Up

# See You Next Time!