

EMC Society



Central Texas Section

Chapter Meeting

August 18, 2010

Austin, TX

IEEE

Agenda

- Chapter Meeting
 - Introduction
 - Chapter calendar
 - 2010 EMC Symposium discussion
 - Jobs
 - Future events
- EMCS 2009 Financial Results
- 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
 - Vice Chair - Mike Royer
Foxconn, mroyer@mikeroyer.com
 - Secretary/Treasurer - Mark Prchlik
Panashield, mark@prchlik.com

Chapter Calendar

● 2010 Technical Program

* EMCS Distinguished Lecturer
** EMCS Respected Speaker

Month	Topic
January	Design of a Medium Power RF Absorber by Mechanical Approach, Dr. Vince Rodriguez, ETS-Lindgren
February *	EMC/EMI Issues in Biomedical Engineering, Dr. Ji Chen, University of Houston
March	Standards Development: CISPR 32 and CISPR 35, Richard Worley, Dell
April	IEC 61000-4-2, -4, -5, -11 Standards Revisions , Tom Revesz, HV Technologies
May	<i>No meeting.</i>
June	<i>No meeting.</i>
July	<i>No meeting.</i> 2010 IEEE EMC Symposium, Ft. Lauderdale, FL
→ August	EMC for Space Applications, Bob Scully, NASA
September	EMI/EMC Simulation and Modeling, David Johns, VP Engineering, CST
October *	Metamaterials for EMC Engineers, Omar Ramahi, Univ. of Waterloo
November	
December	

Chapter Calendar

- 2011 Technical Program
 - Beginning work on the program.
 - New resource
 - EMCS DL Video Program
 - Videos of EMCS DLs giving presentations.
 - Available in DVD, mpeg or wmv formats.
 - Available for Chapter meetings or member use.
 - Contact me directly for link to web site.
 - Managed by Jun Fan, MST (jun.fan@ieee.org).

Chapter Calendar

- 2011 Technical Program
 - Existing titles

"Effective Power/Ground Plane Decoupling for PCB" by Bruce Archambeault

"The 'Ground' Myth" by Bruce Archambeault

"The Three Most Confusing Principles In Signal Integrity And How Not To Be Confused" by Eric Bogatin

"The Ten Habits of Highly Successful Board Designers" by Eric Bogatin

"Signal integrity and EMI in high speed electronics" by Erping Li.

"Advanced electromagnetic simulation techniques for analysis of signal and power integrity in multilayered electronic packaging" by Erping Li.

"Power integrity design for high speed circuit packages" by Tzong-lin Wu.

"Signal integrity simulation and equivalent circuit modeling" by Tzong-lin Wu.

"Propagation and detection of signals before, during, and after a building collapse" by Chris Holloway.

"Metamaterials and metafilms: overview and applications" by Chris Holloway.

"Reverberation chambers for EM applications" by Chris Holloway.

"Signal integrity of TSV-based 3D IC" by Jounggho Kim.

"Power integrity of SiP (system in Package)" by Jounggho Kim.

Chapter Calendar

- 2010 Administrative Activities
 - August
 - Section meeting on Saturday, August 28th
 - Call for 2011 officer nominations
 - September
 - Call for 2011 officer nominations
 - October
 - Announce 2011 officer candidates
 - Hold elections at Chapter meeting

2010 IEEE EMC Symposium

July 25-30, 2010, Broward County Convention Center
Ft. Lauderdale, FL

- Discussions
 - Attendance
 - Workshops and Papers
 - Exhibits
 - Venue
 - Hotels
 - Social Activities
 - Buses



Austin Jobs

- Freescale Semiconductor
 - EMC Engineer (ID 63596)
 - Microcontroller Solutions Group
- TUV SUD America (on Indeed.com)
 - EMC Engineer/Technician
- Austin Allen Company (on Indeed.com)
 - Project Engineer

Future Events



- Electrical Performance of Electronic Packaging and Systems
 - October 24-27, 2011
 - Austin, TX
 - Crown Plaza Hotel
 - Focused on electrical modeling, analysis and design of electronic interconnections, packages and systems
 - www.emccompo.org

Future Events

- International Test Conference



- October 31 – November 5, 2011
- Austin, TX
- Convention Center
- Focused on electronic test of devices, boards and systems.
- www.itctestweek.org

Future Events

- EMC China 2010
 - November 2-4, 2010
 - Shanghai, China
 - Everbright Convention Exhibition Center
 - www.emcexpo.com



The poster for EMC/China2010 features a central globe composed of numerous small photographs of exhibition booths and attendees. The globe is set against a blue background with radiating lines. At the top left, the logo for EMC 2010 is displayed, including the text 'SHANGHAI', 'EMC 2010', 'Shanghai, P.R. China', and 'November 2-4, 2010'. A curved banner at the top of the globe contains the website 'www.emcexpo.com'. A ribbon at the bottom right of the globe reads 'The Leading EMC/EMI Exhibition'. Below the globe, the text 'EMC/China2010' is prominently displayed, followed by 'The 9th China International Conference & Exhibition on Electromagnetic Compatibility', 'November 2 - 4, 2010', and 'Shanghai Everbright Convention & Exhibition Center'. At the bottom, contact information is provided: 'Tel: +86 - 21 - 32516618', 'Fax: +86 - 21 - 32516698', and 'E-mail: expo@vlexpo.com.cn'. A small note at the bottom right says 'How to register: Please contact the organizer.'

Future Events

- **Magnetics 2011**



- March 1-2, 2011
- San Antonio, TX
- Grand Hyatt Hotel
- Focused on the latest advancements in magnetic applications, technology and materials.
- www.magneticsmagazine.com

Future Events

- 2011 IEEE EMC Symposium
 - August 14-19, 2011
 - Long Beach, CA
 - Venue: Long Beach Convention & Entertainment Center
 - Host hotel: Hyatt Regency Long Beach
 - www.emc2011.org



Future Events

- EMC Compo 2011
 - November 6-9, 2011
 - Dubrovnik, Croatia
 - Center for Advanced Academic Studies
 - Focused on EMC of Integrated Circuits
 - www.emccompo.org



Program

Saturday 5th, Nov '11	Sunday 6th, Nov '11	Monday 7th, Nov '11	Tuesday 8th, Nov '11	Wednesday 9th, Nov '11
	Tutorials	Keynote	Keynote	Optional Day 3
	PhD Seminar	Day 1 Morning	Day 2 Morning	Optional R&I projects workshops
		Day 1 Afternoon	Day 2 Afternoon	
		Banquet	Sc Comitee	

Special Feature

2009 IEEE EMC Symposium Financial Results

by David Staggs

Technical Presentation

EMC for Space Applications

by Robert Scully

JSC EMC Group Lead

NASA Johnson Space Center

Wrap-Up

See You Next Time?

Wednesday, September 22, 2010

David Johns of CST America will present on EMI/EMC Simulation and Modeling.