EMC Society

Central Texas Section

Chapter Meeting August 18, 2010 Austin, TX

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



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	No meeting.
	June	No meeting.
	July	No meeting. 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	

IEEE EMC Society - Central Texas Chapter



- 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).



2011 Technical Program

Existing titles

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

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



[&]quot;The 'Ground' Myth" by Bruce Archambeault

[&]quot;The Ten Habits of Highly Successful Board Designers" by Eric Bogatin

[&]quot;Signal integrity and EMI in high speed electronics" by Erping Li.

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

[&]quot;Power integrity design for high speed circuit packages" by Tzong-lin Wu.

[&]quot;Signal integrity simulation and equivalent circuit modeling" by Tzong-lin Wu.

[&]quot;Propagation and detection of signals before, during, and after a building collapse" by Chris Holloway.

[&]quot;Metamaterials and metafilms: overview and applications" by Chris Holloway.

[&]quot;Reverberation chambers for EM applications" by Chris Holloway.

[&]quot;Signal integrity of TSV-based 3D IC" by Joungho Kim.

[&]quot;Power integrity of SiP (system in Package)" by Joungho Kim.

- 2010 Administrative Activities
 - August
 - Section meeting on Saturday, August 28th
 - Call for 2011officer nominations
 - September
 - Call for 2011officer 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



emc 2010



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



- 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







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



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





- 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





- 2011 IEEE EMC Symposium
 - August 14-19, 2011
 - Long Beach, CA
 - Venue: Long Beach Convention & Entertainment Center



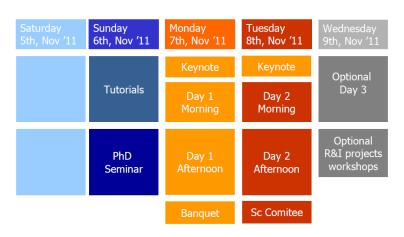
- Host hotel: Hyatt Regency Long Beach
- www.emc2011.org



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



Program





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.

