

IEEE Central Texas Section

ANALOG NEWSLETTER

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Newsletter of the [Central Texas Section](#) of the Institute of Electrical and Electronics Engineers, Inc.

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IEEE Activities and Links	
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We missed recognizing a new CTS IEEE Senior Member! Please congratulate Bill McGinnis of San Antonio, who was nominated by the EMCS Board of Directors, and is affiliated with Electromagnetic Compatibility Society.

The **SP/Communications Society** sponsored a very successful Edison Lecture Series conference. Over 2,000 middle and high school students attended one of four hour-long shows exploring the history of and future technologies used to facilitate communications. The purpose of the series is to show high school and middle school students how exciting technology can be and to encourage them to consider engineering as a career choice. [[for a more review](#)]

Honors/Awards: The Consultants Network will honor its long-time member and contributor, Darrell Word, P.E. At its March 10th meeting he will be presented a well-deserved engraved IEEE plaque for his years of service to the group as its Program Chairman. Information on the meeting is listed with the Consultant's Network information.

Statewide Engineers Banquet! March 2 at the Hyatt Regency in Austin. The day begins with a Legislative Forum scheduled from 2:00 - 4:00 P.M. with presentations by Lt. Governor Bill Ratliff (Ret), Senator Jon Lindsay, Representative Bill Callegari and Representative Wayne Smith. As professional engineers, they will discuss how and why engineers should be involved in the political process. If you have invited your Senator or Representative to be your guest for the evening, there will be a VIP reception followed by a general reception, dinner and award presentations. The Banquet will include recognition of seven distinguished engineers from across the state that will be recognized for their contributions to the engineering profession throughout their careers. Following the recognition of the honorees, Speaker of the House Tom Craddick will give a keynote address and the evening will conclude with an opportunity for you to visit with your fellow engineers and our guests. Contact Trish Smith at the TSPE (trishb@tspe.org) to learn more!

The Chairman's Column

AS ALWAYS

We continue to work to get you more involved in your professional association. We always welcome your feedback (John.Purvis@ieee.org). Please let all our leaders know how we are doing and please feel free to make any suggestions or recommendations.

John R. Purvis, PE
Chairman

Central Texas Section:

Chapter Activities: Central Texas Section

Multi-Chapter Activities

Event: CTS and Joint Chapters Program in Austin

Place: Avaya Auditorium in ACES Building, UT Austin

Time: Thursday, May 12, 2005, 6-9 pm

Program: Rodger Ziemer, Region 5 Continuing Education Chair will present information on continuing education opportunities

Additional detail on the presentation will be available soon.

(Joint) Circuits and Systems / Solid-State Circuits Societies

Topic:

Meeting:

Cost:

Reservations:

Speaker:

Directions

For further information, contact Gerald Garcia at gerald.garcia@ieee.org

(Joint) Signal Processing / Communications Societies [[for more information](#)]

Topic:

Meeting:

Cost:

Reservations:

Speaker:

Directions

The IEEE Communications Society/Signal Processing Society of the Central Texas Section holds technical meetings monthly and various special meetings and conferences throughout the year. Meetings are generally held from 6:30 to 9:00 pm on the third Thursday of each month at the Avaya Auditorium on the University of Texas campus in Austin, TX. More information on our chapter activities can be found by visiting our web site at: <http://www.cts-comsoc-sp.org>

Computer Society - Austin [[for more information](#)]

Topic: Applied Personal Productivity, Chasing Individual Efficiency

Meeting: Wednesday, March 16, 2005, 6:30 pm

Cost: Free

Reservations: N/A

Speaker: Stephen Henderson, Co-Founder, Capture Group

Directions: [National Instruments, 11500 North MoPac, Building C, room 1S15, Austin, TX 78759](#)

More detailed info about the talk can be found at <http://austin-spin.org/> since this is a joint meeting with the Austin SPIN. This presentation is open to the public.

For more details, see our Society website.

Computer Society - San Antonio [[for more information](#)]

Topic: Multi-Agent Systems: from Humans to Agents

Meeting: Thursday, March 31, 2005

Cost: 10 members/ \$2 students/\$13 non-members

Reservations: Required by Monday, March 28, 2005, to Yu Zhang, yzhang@cs.trinity.edu or (210) 999-7399.

Speaker: Yu Zhang, Trinity University

Directions: Networking, Dinner, and Program will be in the Skyline Room, Coates Center, Trinity University, San Antonio, TX.

6:30 - Networking

7:00 - Dinner

8:00 - Program

The meeting is open to the public.

Please note that we have parking instructions on the Web site. The Alamo Stadium parking is reserved for Alamo Stadium Event parking. Please check out the instructions at http://www.ieee-cs-cts.org/meeting_details.htm#Location%20&%20Directions for the parking by Laurie Auditorium.

For more details, see our Society website.

Consultant's Network [[for more information](#)]

Topic: "Technology in Hong Kong and Pearl River Delta"

Speaker: Kai Wong

Date: Thursday, 10th of March, 2005 (2nd Thursday)

Time: 6:30pm - Networking, 7:00pm - Program

Location: China Star Restaurant, 6134 Hwy 290E, Austin, Texas, located at the north east corner of IH-35 and 290E

The consultants' web directory has been updated. The directory is to be found at

<http://www.alesu.com/xltp/ieecons/listzero.htm>

Kai Wong will give you an overview of the recent changes and how Hong Kong is refocused and reinvented itself, technology trend in Hong Kong and China, especially in the semiconductor area.

Electromagnetic Compatibility Society [[for more information](#)]

Speaker:

Topic:

Meeting:

Cost:

Reservations:

Directions

For more information, see the EMC website (above).

IEEE EMC Symposium Coming Back to Austin!

For the first time since 1997, the IEEE EMC Symposium will be returning to the Central Texas area.

The Central Texas EMC Society was recently awarded the 2009 Symposium and the society looks forward to putting on another great event. If you are interested in assisting with this event, please see the website for contact information.

Electron Devices Society ([for more information: www.ieee.org/texedc](#))

Topic: Characterization Techniques for High-k gate Dielectrics

Speaker: Chadwin Young

Meeting: Thursday - March 31, 2005

6:00-6:30pm - Refreshments

6:30-7:30pm - Presentation

Cost:

Reservations:

Directions: MER160, Room 2.114 [J.J. Pickle Research Campus](#)
10100 Burnet Road, Building 160, Austin, TX 78758 ([view map](#))

RSVP: Andy Lin andrew.lin@freescale.com

For information, contact Thuy Dao, thuybdao@ieee.org.

Engineering Management Society [[for more information](#)]**Topic:** "Cultural Impacts on Global Knowledge Management"**Speaker:** Steve Prough**Date:** Thursday, March 3

Time: 5:45pm networking and dinner

6:45pm discussion

8:30pm meeting ends

Location: El Gallo Restaurant, 2910 S. Congress Ave. Austin**Cost:** \$15 includes a selection of 7 entree choices, coffee/tea and dessert.**RSVP:** Leslie Martinich lmartinich@ieee.org

Steve Prough will update his paper presented at the 2002 IEMC in Cambridge, UK. Knowledge Management is critical to all businesses today, but special issues related to cultural differences arise for multinational corporations and their international operations. The discussion will include a review of cultural influences on the knowledge building and dissemination processes. Case studies will be used to examine the impact of these influences and to illustrate methods that managers can use to build a "mission culture" within a multicultural team.

Prough currently serves as vice chair of the Central Texas Chapter of the IEEE Engineering Management Society. He is retired from a career in the semiconductor industry and teaches Online MBA classes for the University of Phoenix.

For more information on Chapter Activities, please contact Leslie Martinich at 512-423-5121.

Other Upcoming Engineering Management Events:**2005:**

July 10-13, 2005: International Professional Communications Conference (IPCC), www.ieeepcs.org/conference/limerick, Limerick, Ireland

July 28-29, 2005: [6th Annual IEEE/UT Engineering Management Conference](#) (Note new dates!)

Managing in Uncertain Times

CALL FOR PAPERS (IEEE Program Chair, sprough@austin.rr.com)

Deadline for papers: March 1, 2005

Notification of acceptance: April 1, 2005

Deadline for final paper version: May 1, 2005

Sept 8-10, 2005: International Engineering Management Society Conference, St. Johns, Newfoundland

For information regarding chapter activities (and those wanting to volunteer), contact **Leslie Martinich** (leslie@competitivefocus.com) (512-423-5121).

Engineering in Medicine and Biology Society**Topic:****Meeting:****Cost:****Reservations:****Speaker:****Directions**

For further information, please contact David G. Kilpatrick, P.E., 210-695-1406,

d.kilpatrick@ieee.org.

Graduates of the Last Decade (GOLD)

Topic:
Meeting:
Speaker:
Cost: Ask Julian!
Reservations:
Directions:

For more information, please contact Julian Anugom at julian.anugom@conexant.com.

Laser and Electro-Optics Society

Topic: The Coming "Red Brick Walls" in the ITRS Interconnect Roadmap

Speaker: Kenneth A. Monnig Ph.D., SEMATECH

Date: 4 PM to 5 PM, March 3rd, 2005

Location: Building 160, Microelectronics Research Center
 Room 2.114
 J. J. Pickle Research Campus, UT Austin
 10100 Burnet Rd., Austin, TX 78758

For information contact Ray Chen raychen@uts.cc.utexas.edu.

Power Engineering Society [[for more information](#)]

Topic: Because of the accelerated use of the switch mode power supply and microprocessor based equipment, the method of providing critical power systems have undergone major changes. Issues regarding redundancy and how to achieve higher reliability will be presented and discussed.

Speaker: Larry Serbousek, PE of Innovative Electrical Technology of Texas will present on UPS Configurations and Electrical System Reliability.

Meeting: Tuesday March 22, 2005

6:00PM Social

6:30 to 7:00PM Dinner

7:00 to 7:30PM Business Meeting

7:30 to 8:30PM Program

Cost: Dinner is \$10.00 – IEEE Members
 \$12.00 – Non-IEEE Members
 Free for students.

Reservations: For further information, please contact Roy Matthews, P.E. or Susan Thornton at 442-8085, ext. 25 or go to our web site at <http://ewh.ieee.org/soc/pes/centraltexas/>

Directions: El Gallo Mexican Restaurant
 2910 S Congress (see below)
 Austin, Texas
 512-444-2205

For further information, please contact Susan Thompton or Roy Matthews at 512-442-8085 ext 25

Product Safety Engineering Society [[for more information](#)]

Topic: "Update on Safety Standards in Taiwan"

Speaker: Daniece Carpenter, WW Regulatory Investigations and Globalization, Dell Inc.

Date: Tuesday, March 21, 2005, 6:30 to 8:30pm (NEW: 3th Tuesday of the month)

Location: Dell, Inc. Parmer South #4, "Victoria" conference room (off lobby)

Taiwan is implementing mandatory product safety certification for many products. Understanding the requirements for your application is critical to negotiating a smooth certification,

We encourage you, others in your organization, or other interested parties to participate in our meetings every month. The PSES meets at Crossroads Systems, 8300 N. MOPAC in Austin, on the third Tuesday of every month except in November/December. A combined monthly meeting is held in early December to allow members and guests to enjoy the Thanksgiving and Christmas holidays. For further information about the PSES, please contact Dale Ritzen at (512) 651-5338.

Chapter Chair: Daniece Carpenter (daniece_carpenter@dell.com).

Women in Engineering [[for more information](#)]

Next Meeting: Saturday, April 2, 2005

Program: Expanding Your Horizons Conference

Place: University Teaching Center at UT Austin.

Time:

The conference is intended to promote interest in science and engineering for girls in grades 6 through 9. This is the 11th year in Austin. Details and registration at www.twistinc.org.

Additional details and directions to the center are posted on the WIE website at http://ewh.ieee.org/r5/central_texas/wie.

IEEE Central Texas Section Student Branches

For information on events, click on the [[for more information](#)] links below:

St. Mary's University – San Antonio [[for more information](#)]

Trinity University – San Antonio

Contact Faculty Advisor: Farzan Aminian, Email: farzan@engr.trinity.edu

Branch President: Brandi House, Email: Brandi.House@Trinity.edu

University of Texas at Austin [[for more information](#)]

University of Texas at San Antonio [[for more information](#)]

Upcoming Local Conferences

2005 IEEE Applied Power Electronics Conference and Exposition - APEC 2005 – Austin

IEEE Industry Applications Society & Power Electronics Society will sponsor the conference entitled "2005 IEEE Applied Power Electronics Conference and Exposition - APEC 2005 (#10091)". This conference will be held **March 6-10, 2005** in Austin, TX. For further information, please contact: Mr. Jason Lai, +1 540 231 4741, +1 540 231 3362 (Fax), laijs@vt.edu, or Conference Services Dept., at IEEE Operations Center at +1 732 562 3878

2005 IEEE International Symposium on Performance Analysis of Systems & Software (ISPASS). This conference will be held 20-22 MAR 2005 in Austin, TX, and is sponsored by the IEEE Computer Society. For further information, please contact, IEEE Computer Society, Conference

Services, 1730 Massachusetts Ave., NW, Washington, DC 20036-1992, +1 202 371 1013, +1 202 728 0884 (Fax), or Conference Services Dept., at IEEE Operations Center at +1 732 562 3878.

2005 IEEE Rural Electric Power Conference (REPC). This conference will be held 08 May - 10 May 2005 at the La Mansion del Rio Hotel in San Antonio, TX. Conference website:
<http://www.ieeerepc.org/>

2005 IEEE International Electric Machines & Drives Conference – (IEMDC). This conference will be held 15 May - 18 May 2005 at the Hilton Palacio Del Rio in San Antonio, TX. Check the IEEE conference website for more details.

2005 IEEE Electrical Performance of Electronic Packaging (EPEP). This conference will be held 24 Oct - 26 Oct 2005 at the Radisson Hotel & Suites in Austin, TX. Conference website:
<http://www.epep.org/>

2005 IEEE International Test Conference (ITC). This conference will be held 08 Nov - 10 Nov 2005 at the Austin Convention Center in Austin, TX. Conference website:
<http://www.itctestweek.org/>

2006 World Congress on Information Technology Brings Legacy to Texas. The World Congress on Information Technology (WCIT 2006) accepted the official crystal from WCIT 2004 symbolizing Austin, Texas, as the next official host of the 15th World Congress. The World Congress, which will be held in Texas **May 1-5, 2006**, will attract an estimated 2,000 global leaders from business, government and education to discuss IT policy, direct the future of technology, and drive social and economic development.

http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20040521005032&newsLang=en

Other Important Events and Notes of Interest

2005 IEEE REGION 5 Technical, Professional and Student Development Workshop (TPS). April 7 – 8, 2005, Coors Center, University of Colorado, Boulder, Colorado <http://r5.ieee-denver.org>. The 2005 Technical, Professional and Student (TPS) Development Workshop will provide a forum for interdisciplinary interaction and exchange on new technologies, new paradigms and ideas, and a program of events that will help in our technical and professional development. TPS will have a balanced program of technical advances, tutorials, and professional development events. On-site meal breaks will provide an opportunity to network with leading engineers, managers, executives, and other professionals.

In addition to technical paper sessions, this event will include in-depth tutorials on RF Engineering, Power Engineering, Six Sigma for Competitive Advantage, Intellectual Property, NARTE Certification Preparation, Career Planning and Management, and other topics.

Conference Contacts:

Technical Program Chair: Dr. Bill Newhall, Ball Aerospace & Technologies Corp., wnewhall@ball.com
 General Chair: Dr. Pankaj Goyal, MicroMega, chair@r5.ieee-denver.org

TPS 2005 (April 7-8, 2005) will be held in conjunction with the IEEE Region 5 Leadership Workshop

(April 9-10, 2005).

Opportunities for the new CEU requirements for PEs

ENGINEERING ETHICS SHORT COURSES

one-hour ethics courses are held in Austin, Texas

CEUs: 0.1

<https://ruby1604.utsa.edu/exchweb/bin/redirect.asp?URL=http://www.UTclee.org>

March 3, 2005

June 2, 2005

September 1, 2005

November 3, 2005

Editor's Note: There were more listed, but they were later in the year – check the website to get more details of those later in the year - dr

More IEEE Information:

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THE INSTITUTE: can be found at <http://www.ieee.org/theinstitute>

IEEE-USA NEWS & VIEWS : IEEE Career-Building Resources: *BOOKMARK THIS SITE*: For career-building resources, including articles and product and service notices, visit IEEE-USA's CAREER NAVIGATOR at: <http://ieeusa.org/careers/>.

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Central Texas Section Editor's Notes

The goal of this newsletter is to provide the more than 4700 members of the Section with up-to-date and meaningful information. We welcome contributions and suggestions that will improve the newsletter.

Please contact the editor, Dawn Roberson at robersondj@ieee.org if you have any thoughts or suggestions. The deadline for submission is the 25th of the month.

The purpose of this Email list is to send notices of general interest to our Section IEEE members.

If you chose not to receive these messages, please; 1. Address an e-mail message to listserv@listserv.ieee.org 2. Put the following in the body of the message: signoff cts-section 3. Do not include your name or e-mail address in the body of the signoff message. The message should be sent from the mail client you use to subscribe to the list