

Dawnlee Roberson

From: owner-cts-section@LISTSERV.IEEE.ORG on behalf of Joe Redfield [jredfield@swri.org]
Sent: Wednesday, February 02, 2005 9:11 AM
To: IEEE - CTS Section List
Subject: IEEE - February 2005 IEEE CTS Analog

IEEE Central Texas Section

ANALOG NEWSLETTER

Volume 49-2

February 2005

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

Published monthly (Deadline for inclusion is the 25th day of the previous month). Dawn Roberson, Editor, (robersondj@ieee.org). Have a question or comment? [Contact us.](#)

INDEX

Section Activities	Chapter Activities	
Chairman's Column	Activities involving multiple Chapters	Engineering Management Society
Chapter Meetings	Joint Circuits and Systems / Solid-State Circuits Societies	Graduates of the Last Decade (GOLD)
Important Events	Computer Society (Austin & San Antonio)	Laser and Electro Optics Society
Editor's Notes	Consultant's Network	Power Engineering Society
Email List	Electromagnetic Compatibility Society	Product Safety Society
Student Branches	Electron Devices Society	Joint Signal Processing / Communications / Societies
Local Conferences	Engineering in Medicine and Biology Society	Women in Engineering

IEEE Activities and Links	
Your IEEE	IEEE Standards Association
Call for Papers	About the IEEE
IEEE Xplore	the Spectrum
What's New at IEEE	IEEE-USA

Congratulations to our new Region 5 IEEE Fellows!

Robert Christopher Baumann	Texas Instruments	Dallas, Texas
John W. Clark	Rice University	Houston, TX
Kent Ritter Davey	University of Texas	Austin, TX
William Robert Frensley	University of Texas at Dallas	Richardson, TX
Willis K. King	University of Houston	Houston, Texas
Alan V. McCree	DSP Solutions R& D	Dallas, TX
Cam Nguyen	National Science Foundation	College Station, TX

Congratulations to our new CTS IEEE Senior Members!

Section	Name	Nominated by	Technical Affiliation
Central Texas	Melba M. Crawford	<i>Geoscience & Remote Sensing Society</i>	<i>Computer Society</i>
			<i>Geoscience & Remote Sensing Society</i>
			<i>Women in Engineering</i>
Central Texas	Dimitrie C. Popescu	<i>Central Texas Section</i>	<i>Communications Society</i>
			<i>Information Theory Society</i>
Central Texas	Charles L. Ramiller	<i>CPMT</i>	

The Chairman's Column

We had a very successful Spring Planning meeting on the 22nd. About 40 volunteers representing the Section, Technical Society Chapters, and Student Branches came together in San Marcos to review events of 2004, and to make plans for 2005. The most important aspect of this meeting was to set our budget for 2005. The PowerPoint file with information presented at the Planning Meeting should be available on the Web site later in February.

One of the outcomes of the meeting was a decision to focus more attention on keeping the CTS web site current. [Steve Teleki](#) is heading a committee to investigate what options we have for improving administration of the Section web site. We hope to have at least an interim solution in place within the next 30 days.

OPPORTUNITIES FOR VOLUNTEERS

The Central Texas Section is seeking volunteers to assist with the following: **Electronic Media**

Coordinator, PACE Coordinator, Conferences Coordinator, and Webmaster. While these are not overly demanding positions, they each will require several hours per month of volunteer effort. If you are interested in sharing your talents with the Section, please contact me at John.Purvis@ieee.org.

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
<p>(Joint) Circuits and Systems / Solid-State Circuits Societies</p> <p>Topic:</p> <p>Meeting:</p> <p>Cost:</p> <p>Reservations:</p> <p>Speaker:</p> <p>Directions</p> <p>For further information, contact Gerald Garcia at gerald.garcia@ieee.org</p>
<p>(Joint) Signal Processing / Communications Societies</p> <p>Topic:</p> <p>Meeting:</p> <p>Cost:</p>

Reservations:**Speaker:****Directions**

(Note: We are no longer meeting at the SBC's Labs, Inc., 9500 Arboretum, Dr., Austin, TX.)

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

Topic: The Power of Software Product Lines

Meeting: Thursday, February 10, 2005, 6:30 pm (DATE CHANGE)

Cost:**Reservations:**

Speaker: Dr. Paul Clements, Software Engineering Institute

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: *An Introduction to MEMS Devices and the New MEMS Laboratory at UTSA*

Meeting: Thursday, February 17, 2005

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

Reservations: Required by Monday, February 14, 2005, to Kevin Nickels, knickels@engr.trinity.edu or (210) 999-7543.

Speaker: Dr. Arturo A. Ayon, UTSA.

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: Fight and Win the Spam War

Speaker: Chris Baker

Date: Thursday, February 10, 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>

Speakers Bio: Chris Baker is a published recognized expert on anti-spam strategies and solutions, networks, computers, hardware, security, software and conversion projects. He has been a network administrator for five years, and taken shorter assignments in server installation, configuration, conversion, Y2K, database, hardware and software support for three years. He is a Microsoft Certified Professional in seven different specialties.

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: Common Mistakes of Parametric Testing

Speaker: Bill Verzi

Meeting: Thursday - February 24, 2005

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

Bill Verzi (IEEE Member 1986) has worked as a parametric test engineer from the mid 1980s. He has a background in electronics, physics, mathematics and computer science. Now with Agilent Technologies, Austin, TX, his responsibilities include the support of process evaluation at the high volume systems level as well as the bench instrument level. He has served on the technical committee of the International Conference on Microelectronic Test Structures (ICMTS) since 1998. He was the technical chairman for the 2003 ICMTS in Monterey, California. A more extensive bio can be found on the society website.

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

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

Topic: The Effective Engineer

Speaker:

Date: Tuesday, February 1

Time: 5:45 Networking and Dinner; 6:30 Panel Discussion; 8:30 Program close

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

When does an engineer do his or her best work. Studies of industrial scientists and engineers have identified characteristics of a "creative climate" associated with greater innovative performance. We will discuss the characteristics of a creative climate, the dynamics of its relationship to performance,

and the steps engineers and their managers can take to increase engineers' performance and success throughout their careers. Professor George F. Farris, Rutgers Business School, has provided materials for our discussion, led by Leslie Martinich.

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

Other Upcoming Engineering Management Events:

2005:

March 3 (Thursday) "Cultural Impacts on Global Knowledge Management"

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.

When: Thursday, March 3

5:45pm networking and dinner

6:45pm discussion

8:30pm meeting ends

Where: El Gallo Restaurant

2910 S. Congress Ave.

Austin

Cost: \$15 includes choice of 7 dinner entrees, coffee or tea.

RSVP: lmartinich@ieee.org

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: Tour of Ember Industries

Meeting: Sunday, February 27, 2005 at 2pm

Speaker: Richard McNeish

Cost: Ask Julian!

Reservations: Richard McNeish, rmcneish@emberindustries.com, 512-396-1911 x18

Directions: Ember Industries, 321 Carlson Circle, San Marcos, TX

During the tour, one of their engineers, Richard McNeish will walk us through a complete process of PCB manufacturing showing all the machines used and telling their specific functionalities.

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

Laser and Electro-Optics Society

Topic: TBD
Speaker: TBD
Date: TBD
Time: TBD
Location: TBD

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

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

Topic:
Meeting: *TBD*
Cost:
Reservations:
Speaker:
Directions

Seminar: 2005 NEC Changes Seminar, February 22, IBEW Austin Joint Apprentice Training Center, 4000 Caven Road, Austin, 78744. 8am-5pm. Improve your understanding of the NEC changes in this seminar featuring discussion of the major code changes and a behind-the-scenes look at why the changes were made. 7 PDU continuing education hours will be given for participation.

Presenter: James Stallcup, Sr – President of the Electrical Section of NFPA, among others.

Registration deadline is 6 February, Contact [Roy Matthews](#) at 512-602-8152 with questions, or check the PES website.

For further information, please contact Susan Thompson or [Steve Kanetsky](#), at 512-326-3380

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

Topic:
Speaker:
Date: (NEW: 3th Tuesday of the month)
Time:
Location:

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: No February meeting

Program:

Place:

Time:

Event Sponsorship:

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

During the semiannual CTS planning meeting, each of the student branches gave presentations on what they have accomplished in the previous six months, and what they would like to accomplish in the next six months. All engaged in building members during the IEEE membership drive in the fall, using events from pizza talks to fajita fests. The branches provided technical talks, socials and tutorials for their IEEE branch members. But the branches also did support, service and outreach work to non IEEE members and to kids in their surrounding communities. The branches participated in diverse and wide ranging competitions, primarily robotics ranging from submarines to firefighting to helicopters on a mission.

Currently the student branches are focused on planning and preparing for the Region 5 Conference in Denver in April. The main challenge is the robotics competition. This year it will be a mock up of an automated warehouse. Each team is to build a robot that will take commands from a dispatcher unit regarding the location of a stored object and where that container is to be moved. The robot must have a wireless communication circuit to receive commands; a drive system for motion; a navigation system to move from one room to another; and a manipulator to handle the container. Most of the student branches reported that the development of their robots are well along the way and expect great success in Denver.

More details on their activities in the NEXT Analog, so stay tuned!

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@enr.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

E-week:

San Antonio area info

Wednesday, February 23 – Proclamation Breakfast (Engineer for a Day), CPS Roundhouse at La Villita

Auxillary Engineers Week Luncheon, Club Giraud

Thursday, February 24 – Past Presidents Luncheon, Old San Francisco Steak House

Friday, February 25 – Golf Tournament, Canyon Spring Golf Course

Saturday, February 26 – Sporting Clays Tournament, Cedar Ridge Range

Engineer of the Year Banquet, Guenther Hotel

Registration Information: Contact Robin Simmons at Pape-Dawson Engineers, rsimmons@pape-dawson.com or (210) 375-9000

Austin?

22005 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

UT's ENGINEERING FOR BUILDING SURETY SYMPOSIUM

Professional Engineer Development Series

February 18-19, 2005

CEUs: 1.5 - including 1 hour of ethics!

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

Rising concerns about countering terrorism and other threats to structures have placed the engineering community in an uncertain role of preparedness and response. Proven research has shown that the best way to ensure a structure's safety to external and internal threats is through a systematic approach to the building process. On February 18-19, 2005, UT will host its first-ever Engineering for Building Surety Symposium, a Professional Engineer Development Series offering, where academia and industry will discuss the different levels and engineering solutions involved in an ideal systematic approach. Engineers will walk away with an **immediately applicable understanding** of how to leverage the systematic approach to ensure the prevention and preparedness of a structure. Issues that will be addressed include: construction site layout and design; chemical, biological, and/or radiological threats; ventilation and infection control; structural blast loads; best practices for planning & execution of projects; power grid evaluation; and sensing & detection. **Register by January 15 for a discounted fee** (\$550 if registered by 1/15/05; \$650 after 1/15/05). For Engineering for Building Surety Symposium or Professional Engineer Development Series details, please visit <https://ruby1604.utsa.edu/exchweb/bin/redir.asp?URL=http://www.utclee.org/> or e-mail Brad Armstrong at brad.armstrong@engr.utexas.edu.

ENGINEERING ETHICS SHORT COURSES

one-hour ethics courses are held in Austin, Texas

CEUs: 0.1

<https://ruby1604.utsa.edu/exchweb/bin/redir.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:

=====

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://ieeeusa.org/careers/>.

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