IEEE Central Texas Section

ANALOG NEWSLETTER

Volume 49-8	**August 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.

4. Local Conferences

005 IEEE/CPMT Workshop on Accelerated Stress Testing and Reliability. This conference will be held 3-5 Oct 2005 at the Driskill Hotel in Austin, TX. The conference website is: http://www.ewh.ieee.org/soc/cpmt/tc7/index.html.

Local CTS member, Kirk Gray is one of the local organizers. This annual meeting is a gathering of reliability test professionals. The purpose of the AST Workshop is to share ideas on better ways of accelerating and detecting hidden defects, flaws, and weaknesses in electronic and electromechanical hardware that would result in failures during use. These techniques are focused on testing electronic hardware to operational and destruct limits and root cause investigation to determine the underlying physics-of-failure.

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/

IEEE International Symposium on Workload Characterization in Austin, TX October 6-8, 2005

6th International Workshop on Microprocessor Test & Verification (MTV 2005) in Austin, TX   November 2-4, 2005

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 Region 5 Technical, Professional & Student Conference - Call for Papers: http://www.2006ieeer5conference.com to be held in San Antonio.

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://click.austinxl-mail.com/sp/t.pl?id=926096:371346593

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4. Local Conferences

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1. Section Activities

Chairman's Column

6th Annual EMC Conference
For those of you who were unable to attend the 6th Annual EMC / UT Sponsored conference this past weekend, you missed an opportunity! CTS has been co-hosting this event for six years now, the past three being a full-fledged IEEE conference. The one held this past week was the best so far. Over a hundred attendees were able to hear presentations in two simultaneous track on current engineering management issues. Wether you are the company VP of engineering, or a team leader, there was something to hear to benefit you. The call for papers for next year's event is already out, and should be an even more impressive event. The theme of the 2006 conference will be "The Role of Technology in our Economy." Abstracts are due January 15, 2006, so start thinking now how you can add to next year's conference.

Planning Meeting
The Section held it's semi-annual planning meeting the weekend of July 23. Officers from the Section, as well as representing several of our Chapters gathered in San Marcos to lay the plans for the second half of the year. In addition to the Chapters we already have established, plans are afoot to establish a Life Member Affinity group, and a Chapter of the System, Man, and Cybernetic (SMC) society. If you are interested in assisting with formation of either of these chapters, please contact Edwin L. Bronaugh (LM) elbronaugh@earthlink.net, or Peter Chen (SMCS) Philip.Chen@utsa.edu.

Section officer elections
The term of office for the current set of Section officers expires in December of this year (the bylaws were altered in 2003 to make our term of office two years). A proposed slate of officers for 2006-2007 will be presented to the Section in one of the upcoming Analogs, along with biographic material on the candidates. The election will take place in December.

As always, we look to you for feedback. If you have any question or comments, please contact me at John.Purvis@ieee.org.

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Team Web page: http://w3.austin.ibm.com/:/projects/lvkb/risc/

Continuing Education

NEED CEUs? The University of Texas at Austin offers a wide array of continuing engineering education opportunities geared towards Texas engineers. All of the training awards continuing education units (CEUs) which Texas PEs are now required to submit for their annual renewal. We event boast CEU Conferences where you can get all required 1.5 CEUs – including 1 hour of engineering ethics – in just a few days! Visit www.UTclee.org for more information.

Upcoming opportunities include:

Software Project Management Certificate Program (online or onsite) • ongoing

To contribute information to this electronic newsletter, please send it by e-mail to robersondj@ieee.org.

UT Engineering Management Master's Degree Program for Working Professionals
Applications are currently being accepted for the fall start of the Engineering Management Master's Program. UT's special scheduling option enables professionals to maintain full job responsibilities while attending classes one weekend a month (8:00am-5:00pm Friday and Saturday). Application deadline is 1 July. More information at: www.executivemasters.org.

Student Branches

The IEEE Central Texas Section held its Fall planning meeting on July 23rd where the four student branches prepared power point presentations on their budget proposals describing their projects and activities.   UT Austin, UT San Antonio, Trinity University, and St. Mary's University submitted written proposals by the June 30th submission date. They were all found in good order, detailed and documented their request for funds clearly, and fully provided all requested information.

The power point presentations organized and displayed points of information extremely well. The student branches talked up and promoted their favorite and proudest achievements and goals.   A projector at the planning meeting was not available.   The student branches had to make oral presentations without the benefit of slides and photos, but the reports contained informative and relevant material of interest to the planning meeting. The power point presentations have been circulated among the Section Officers and will be archived with all the planning meeting records.   Upon final approval by the Executive Committee, each student branch will be awarded $1,500.   Congratulations!

Trinity sponsors pizza talks which in addition to good technical content also provides for social activities and study breaks.   They also make awards to their engineering students and assist them in attending conferences. UT Austin will use a part of its requested funds to maintain its offices as a central meeting place for IEEE members. They are also prominent participants in many regional and national robotics competitions. An outreach plan to teach high school girls to solder should not go unmentioned.   St. Mary's will also use a large portion of its requested funds for meetings and social gatherings. But a good amount will go towards recruiting freshmen into IEEE.   And some of the funds will be used for field trips.   UTSA will use its funds to hold design competitions to get students involved and exposed to different types of electrical engineering.   They continue to work with the student government to get a campus radio station operating.   And they will continue to hold workshops and tutorials for students to acquire technical support skills.

There has been little rest for the student branch chairs and their officers since school ended in May.   They have jobs, internships, and summer classes.   Submitting the funding proposal and making themselves available at the Fall planning meeting were additional obligations successfully and conscientiously fulfilled.   When school starts again in August, all four student branches will be busily recruiting and retaining IEEE members for their student branches. And there will be the he second round of Section funding where the student branches will prepare a competitive funding proposal by September 30th. for the remaining $4,000 available to them.

St Mary's University - San Antonio (for more information)

Trinity University - San Antonio
 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)

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2. Chapter Activities

Multiple Chapters

Joint Signal Processing/Communications Society [for more information]

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
Directions:

Joint Circuits and Systems/Solid-State Circuits

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
Directions:
For further information, contact Gerald Garcia at gerald.garcia@ieee.org

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Computer Society - Austin [for more information]

Topic or Presentation Title: Domain Specific Languages
Speaker: Dan Massey, Principal Architect, Borland
Date and Time: August 17, 2005 at 6:30pm
Cost: Free
Reservations:
Meeting Location:
Directions:National Instruments, 11500 North MoPac, Building C, room 1S15, Austin, TX 78759

See http://austin-cs.org/ for detailed directions and for last minute information. This presentation is open to the public.

Computer Society - San Antonio [for more information]

Topic or Presentation Title: May - August - Summer Break
Speaker:
Date and Time: Thursday, September 15, 2005
Cost:
Reservations:
Meeting Location:
Directions:

Our Web site Http://www.ieee-cs-cts.org will be update during the break.

Consultants Network [*for more information*]

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
Directions:

The consultants' web directory has been updated. The directory is to be found at http://www.alesu.com/xltrp/ieeecons/listzero.htm

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Electromagnetic Compatibility Society [*for more information*]

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
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.

Engineering in Medicine and Biology [*for more information*]

Topic or Presentation Title: May - August - Summer Break
Speaker:
Date and Time: Wednesday, September 15
Cost:
Reservations:
Meeting Location: Loeffler Room, BSB 3.03.02, UTSA Campus
Directions:
Our webpage will be updated over the summer.

For further information, please contact Dawn Roberson,210-458-5520, robersondj@ieee.org.

Engineering Management [*for more information*]

Topic or Presentation Title: Reclaim Your Time!
Speaker: Maura Nevel
Date and Time: Tuesday, August 16, 5:45 pm

5:45pm networking and dinner
6:45pm discussion
8:30pm meeting ends
Cost: $15 includes a selection of 7 entree choices, coffee/tea and dessert.
Reservations: Leslie Martinich lmartinich@ieee.org
Meeting Location:
Directions: El Gallo Restaurant, 2910 S Congress, Austin.

For other information about the Engineering Management Society activities, see the the web site: http://www.ewh.ieee.org/r5/central_texas/ems/

Other Upcoming Engineering Management Events:

2005:
September 6, Don Shafer will discuss publishing with IEEE Computer Science Press, where he is Editor in Chief.

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).

Graduates of the Last Decade (GOLD)

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
Directions:

Laser and Electro Optics Society

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
Directions:
For more information, contact Ray Chen raychen@uts.cc.utexas.edu.

Power Engineering Society   [for more information]

Topic or Presentation Title: Medium Voltage Drives
Speaker: Allen Bradley
Date and Time: August 23
6:00pm   Social
6:30-7:00 Dinner
7:00-7:30 Business Meeting

7:30-8:30 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 Stacy L Smith [stacy.smith@austin.utexas.edu] or go to our web site at http://ewh.ieee.org/soc/pes/centraltexas/
Meeting Location: El Gallo Mexican Restaurant
2910 S Congress (see below)
Austin, Texas
512-444-2205
Directions: From I –35:
Exit at Oltorf, turn west, and continue until S. Congress Avenue. At S. Congress, turn left. El Gallo is about 500 feet past the next traffic light (Cumberland), on the right. It's also directly across from the entrance to St. Edward's University.
From Ben White Blvd. (US290/SH71):
Exit at S. Congress Avenue and turn north (left from 360, right from I-35). El Gallo is about 600 feet past the next traffic light (Woodward), on the left. It's also directly across from the entrance to St. Edward's University.

Upcoming Power Engineering Society topics:
September 27 – Lightning – Mike Noth, Samsung
October 25 – Transmission System Protection and Control – Dan Smith, Austin Energy
December 6 – Ice Plant: Chilled water loop COA – Jim Collins, Austin Energy
Location: Ice Plant, downtown Austin

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

Product Safety Society [for more information]

Topic or Presentation Title: "Product Safety 101 - A Primer"   A 4-part session on various aspects of the product safety function, from design through manufacturing issues.
Speaker: Moderator - Dave Lorusso (Dell Inc.)
Date and Time: August 16, 2005 at 6:30pm
Cost:
Reservations:
Meeting Location: Dell Parmer South Campus, Building 4, in the "Victoria" conference room in Austin
Directions:

We encourage you, others in your organization, or other interested parties to participate in our meetings every month. The PSES meets every month on the third Tuesday of every month at 6:30, with the program starting at 7pm, 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.

Future meetings:
September 20, 2005
Topic: "Flaming Oil Product Test" A discussion and film about one of the most destructive tests that can be performed on any product.
Speaker: Nathan Arldt

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

Women in Engineering [for more information]

Topic or Presentation Title:
Speaker:
Date and Time:
Cost:
Reservations:
Meeting Location:
Directions:

The annual Texas Conference for Women will take place at the Austin Convention Center on Thursday, October 20, 2005. Detailed information on the program is available at http://www.txconferenceforwomen.org. The Central Texas Women in Engineering Chapter will have a booth at the conference and welcomes participants. Additional details and directions to the center are posted on the WIE website at http://ewh.ieee.org/r5/central_texas/wie.

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.

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3. IEEE Info

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

IEEE Member Benefit:

IEEE Members access the world of technology. Search more than 1,100,000 documents in IEEE Xplore. Subscribe to IEEE Society publications at low, member-only rates. Purchase papers online for just $13 each -- or save even more when you subscribe to the IEEE Member Digital Library.

Get the most from your IEEE membership -- find out how today: http://boldfish.ieee.org/u/market8+/04196044

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/. IEEE XELL [a.k.a. Expert Now IEEE] GAINS SOCIETIES' SUPPORT

Embedded Systems Engineers Have New Online Community
The power of 500 minds thinking simultaneously. That is how IEEE Senior Member Charles Lord regards the IEEE Embedded Systems Virtual Community to which he belongs. And Lord's community is truly a virtual society. Other IEEE groups have virtual communities -- that is, they communicate via the Internet -- but their members also have ways of meeting physically. Not Lord's group. His group's meetings are virtual or not at all. Find out more at http://boldfish.ieee.org/u/463/00757617.

THE IEEE Virtual Museum

As mentioned last issue, The IEEE Virtual Museum (VM)—IEEE's award-winning outreach site for pre-college youth and the general public that uniquely combines engineering principles with the history and social context of technology—can be a resource for Section members, their families, and their local

community. The VM has now opened its eighth exhibit, "Songs in the Key of E," about electronic music. Be sure to visit the VM at (http://www.ieee.org/museum).

IEEE Spectrum Hosts Online Career Forum

On 20 September, IEEE Spectrum hosts its first online Career Accelerator Forum. The forum will offer advice about going for an advanced degree, staying ahead in your field, landing your dream job, and even switching careers. You'll also be able to ask questions of an expert panel from the convenience of your desk. For more information, as well as a list of panelists, visit http://boldfish.ieee.org/u/517/00757617.

To sign up, go to http://boldfish.ieee.org/u/518/00757617.

Latest Foundation Grants Impact Public Awareness of Engineering and Technology Education –
At its June 2005 meeting, the IEEE Foundation Board of Directors awarded four new grants totaling US$73,254. These grants will inform millions of people about key engineering advances vital to modern life; offer hands-on experience for children to learn about the cause and effect of science and technology; create a place for pre-college teachers in the United States to get help with innovative technology oriented activities; and spread the word about the value of IEEE to students throughout Brazil. To learn more about these and other grants awarded by the IEEE Foundation visit www.ieee.org/foundation/html/2005grants.html.

IEEE membership portal

We hope all Section members are taking advantage of the new IEEE Membership Portal. The IEEE History Center is supplying interesting content which will be featured on the main page. Visit it at http://www.ieee.org/myieee.

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