

IEEE Central Texas Section

# ANALOG NEWSLETTER

Volume 49-7

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](mailto:robersondj@ieee.org)). Have a question or comment? [Contact us](#).

## 4. Local Conferences

**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,**

## CONTENTS

### 1. [Section Activities](#)

- [The Chairman's Column](#)
- [Chapter Activities: Central Texas Section](#)
- [Chapter Meetings](#)
- [Important Events](#)
- [Continuing Education](#)
- [Student Branches](#)

### 2. [Chapter Activities](#)

- [Multiple Chapters](#)
- [Joint Signal Processing/Communications Society](#)
- [Joint Circuits and Systems/Solid-State Circuits](#)
- [Computer Society - Austin](#)
- [Computer Society - San Antonio](#)
- [Consultants Network](#)
- [Electromagnetic Compatibility Society](#)
- [Electron Devices Society](#)
- [Engineering in Medicine and Biology](#)
- [Engineering Management](#)
- [Graduates of the Last Decade](#)
- [Laser and Electro Optics Society](#)
- [Power Engineering Society](#)
- [Product Engineering Society](#)
- [Women in Engineering](#)
- [Editor's Notes](#)

### 3. [IEEE Info](#)

- [Virtual Museum](#)
- [Expansion of Teachers In-Service](#)
- [Milestones](#)
- [IEEE Presidents Scholarship Winner](#)
- [Member Portal](#)

### 4. [Local Conferences](#)

## 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>

[Back to Content](#)

## IEEE Activities and Links

[Your IEEE](#)

[Calls for Papers](#)

[IEEE Xplore](#)

[What's New at IEEE](#)

[IEEE Standards Association](#)

[About the IEEE](#)

[The Spectrum](#)

[IEEE-USA](#)

To contribute information to this electronic newsletter, please send it by e-mail to [robersondj@ieee.org](mailto:robersondj@ieee.org).

## 1. Section Activities

### Chairman's Column

As we pass the mid year mark I look back on a very active first half of ever, and a growing list of meetings for our members to take advantage you think is missing, I invite you to step up to the plate and help us fill we can provide our members by the lack of someone to lead the way.

I encourage all who can to attend the Engineering Management Society "Uncertain Times" to be held July 27-29 in Austin. Having attended the quality of information being presented. Please support these local corporate effort that brings to us all greater opportunities to learn and grow with

We held another of our Senior Member upgrade events in Austin a few will be working to process these applications and get our recommendation upgrade event is being planned for the fall in San Antonio.

As always, we look to you for feedback. If you have any question or comment please contact [John.Purvis@ieee.org](mailto:John.Purvis@ieee.org).

John R. Purvis III, P.E.

IBM Global Services

11400 Burnet Rd.

Austin, Texas 78758

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

Phone: 512-823-7654, Cell: 512-

Email: [jrpurvis@us.ibm.com](mailto:jrpurvis@us.ibm.com)

IM: [SameTime=jrpurvis@us.ibm.com](mailto:SameTime=jrpurvis@us.ibm.com)

AIM=jrpurvis3, MSN=jrpurvis3

### Chapter Activities

Three new Senior Members in May - congratulate them when you see them:  
Rino Choi, nominated by the Electron Devices Society  
Seung-Chul Song, a member of the Electron Devices Society  
Jun Yu, a member of the Power Engineering Society

And seven new Senior Members in June - more to congratulate!  
David Baron, member of the Electromagnetic, Industry Applications Society  
George Gao, a member of the Dielectrics & Electrical Insulation Society  
Carlos Gonzalez-Perez, a Power Engineering Society member  
Steven Guccione, a Computer Society member

Carl Kessler

Rias Muhamed, with the Communications Society

Zhibo Zhang, a member of the Electron Devices Society

### Chapter Meetings

The Central Texas Section 75th Anniversary event was held in Austin, Texas to host as our special guests Region 5 Director John Meredith and Dr. Ziemer. In addition, a number of past Section Chairs attended, and the turnout of IEEE members was excellent. All participants enjoyed the event.

furnished by O's Catering on the UT campus.

John Meredith recounted for us the 75 year evolution of IEEE in presented information on how IEEE can help in continuing educ to be available on the Central Texas Section website.

Regards,

Sherry Gillespie  
Vice-Chair, Austin  
IEEE CTS

### **Important Events**

#### **BEST ROBOTICS PLANS FOR 13th ANNUAL GAME, "M**

IEEE partner organization BEST Robotics (Boosting Engineerin profit, volunteer organization, whose mission is to inspire studen science, and technology through participation in an annual sports robotics competition.

The first competition was held in 1993 in Sherman, TX with 14 : 750 middle and high schools and over 8,500 students will be par (called "hubs") in 15 states.

Hubs are run by either college/university engineering programs, groups that understand the critical need the U.S. has in feeding tl sponsoring hub must raise its own funding; it costs \$25,000-\$30, participate at no cost.

BEST is seeking participation in the program from IEEE chapter mentors for student teams in their area; (2) provide funding supp in their local community.

For more information, go on-line at [www.bestinc.org](http://www.bestinc.org) or contact

### **Continuing Education**

**NEED CEUs?** The University of Texas at Austin offers a wide : opportunities geared towards Texas engineers. All of the trainin (CEUs) which Texas PEs are now required to submit for their an Conferences where you can get all required 1.5 CEUs – includin few days! Visit [www.UTclee.org](http://www.UTclee.org) for more information.

Upcoming opportunities include:

**[Foundations of Software Project Management \(onsite or onli](#)**

**[Toll Roads: the Urban Link Conference](#)** • July 22-23, 2005

**IEEE-UT's 6<sup>th</sup> Annual Engineering Management Conferenc****Software Project Management Certificate Program (online o**

**UT Engineering Management Master's Degree Program for Applications** are currently being accepted for the fall start of the Program. UT's special scheduling option enables professionals to attend classes one weekend a month (8:00am-5:00pm Friday July). More information at: [www.executivemasters.org](http://www.executivemasters.org).

**Student Branches**

The IEEE Central Texas Section has budgeted \$10,000 to support UT San Antonio, Trinity University, and St. Mary's University. The funding process to allocate these funds. The first round requires a funding proposal by June 30<sup>th</sup> to receive a grant of \$1,500 each. To prepare a competitive funding proposal by September 30<sup>th</sup>, with funding from the remaining \$4,000 will depend on the strength and merit of the proposals.

The June 30<sup>th</sup> written proposals must be of professional quality. They must show how they would support the student branch program and how it would fit into the history of the Central Texas Section of the IEEE. They must give a brief history of the Central Texas Section and describe the impact of those projects. A presentation of their activities at the Section Fall Planning Meeting is required.

Pete Andriukaitis is the newly elected chair at the UT Austin student branch. He will devote himself to his studies. Willie Dominguez was elected chair at St. Mary's University. Brandi House was also elected to a second term as chair at UT San Antonio. The current chair at UT San Antonio who was elected in December 2004, and his predecessors, are highly capable and extremely motivated. Their leadership, and these chairs together with their officers will benefit the student branches.

One such former dynamic and charismatic chair from UT San Antonio was Julian Anugom, being profitably employed, has been re-elected as chair of the Section. Julian had founded the first GOLD Chapter for the Section and was active in the Region 5 Conference next year in San Antonio. Julian's person and leadership are greatly missed. David Walker, another former UT San Antonio chair, was also active in the Region 5 Conference which involves tremendous work between the Section and the Region.

**St Mary's University** - San Antonio ([for more information](#))

**Trinity University** - San Antonio

Faculty Advisor: Farzan Aminian, Email: [farzan@engr.trinity.edu](mailto:farzan@engr.trinity.edu).  
Branch President: Brandi House, email: [brandi.house@trinity.edu](mailto:brandi.house@trinity.edu)

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

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

[Back to Contents](#)

---

## 2. Chapter Activities

### *Multiple Chapters*

---

#### *Joint Signal Processing/Communications Society*

**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](mailto:gerald.garcia@ieee.org)

---

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

**Topic or Presentation Title:** Introduction to Voice over Internet (

**Speaker:** Manuel Vexler

**Date and Time:** July 13, 2005 at 6:30pm

**Cost:** Free

**Reservations:**

**Meeting Location:**

**Directions:** [National Instruments, 11500 North MoPac, Building C](#)

See <http://austin-cs.org/> for detailed directions and for last minute the public.

For more details, see our Society website.

---

#### *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](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 at <http://www.alesu.com/xltrp/ieeecocons/listzero.htm>

---

***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 held in Austin. The Central Texas EMC Society was recently awarded the 2009 Symposium, putting on another great event. If you are interested in assisting with the event, contact information.

---

***Engineering in Medicine and Biology***

**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

---

***Engineering Management*** [\[for more information\]](#)

**Topic or Presentation Title:**

**Speaker:**

**Date and Time:**

**Cost:**

**Reservations:**

**Meeting Location:**

**Directions:** El Gallo Restaurant, 2910 S Congress, Austin.

**EMC 2005 'Managing in Uncertain Times'**

IEEE-UT's 6th Annual Engineering Management Conference (EMC) is an exciting exchange on "Managing in Uncertain Times" between academia and industry for an exciting exchange on "Managing in Uncertain Times". Conference topics range from Building Effective Engineering Teams to Managing in Uncertain Times. The final result will be a working knowledge of how to use work practices to better meet the demands of the future.

Who Should Attend This Conference? This conference is designed for those who have or are moving into technical proficiencies, interpersonal skills, and are active in their respective discipline areas and are actively involved in the development, and group dynamics.

Texas PEs, visit scenic Austin and earn 1.5 CEU credits—including the advantage of the discounted rate of \$450, register before June 24. Discounted pricing for students and IEEE members can be found at the Austin Marriott at the Capitol.

EMC 2005 is sponsored by AustinTest, Cadence, and Austin PM. For more information, visit [www.ieeeUTemc.org](http://www.ieeeUTemc.org).

For other information about the Engineering Management Society, visit [http://www.ewh.ieee.org/r5/central\\_texas/ems/](http://www.ewh.ieee.org/r5/central_texas/ems/)

**Other Upcoming Engineering Management Events:**

**2005:**

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

**Sept 8-10, 2005:** International Engineering Management Society

For information regarding chapter activities (and those wanting to join), contact [leslie@competitivefocus.com](mailto: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](mailto:raychen@uts.cc.utexas.edu).***Power Engineering Society*** [\[for more information\]](#)**Topic or Presentation Title:** Engineering Ethics**Speaker:** CW Clark, PE of the Texas Board of Professional Engineers**Date and Time:** Tuesday, July 26

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 Mattf  
[stacy.smith@austin.utexas.edu] or go to our web site at <http://e>**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,  
about 500 feet past the next traffic light (Cumberland), on the right  
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  
the next traffic light (Woodward), on the left. It's also directly across  
University.**Upcoming Power Engineering Society topics:**

August 23 – Medium Voltage Drives – Allen Bradley

September 27 – Lightning – Mike Noth, Samsung

October 25 – Transmission System Protection and Control – Dar

December 6 – Ice Plant: Chilled water loop COA – Jim Collins,  
Location: Ice Plant, downtown Austin

For further information, please contact Susan Thompson or Roy

---

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

**Topic or Presentation Title:**

**Speaker:**

**Date and Time:**

**Cost:**

**Reservations:**

**Meeting Location:**

**Directions:**

We encourage you, others in your organization, or other interests to attend every month. The PSES meets at Crossroads Systems, 8300 N. Mopac every month except in November/December. A combined month will allow members and guests to enjoy the Thanksgiving and Christmas about the PSES, please contact Dale Ritzen at (512) 651-5338.

Chapter Chair: Daniece Carpenter ([daniece\\_carpenter@dell.com](mailto: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 University of Texas at Austin on October 20, 2005. Detailed information on the program is available at <http://www.txconferenceforwomen.org>. The Central Texas Women's Engineering Society has a booth at the conference and welcomes participants. Additional information is posted on the WIE website at [http://ewh.ieee.org/r5/central\\_texas](http://ewh.ieee.org/r5/central_texas)

***Editor's Notes***

The goal of this newsletter is to provide the more than 4700 men and women with meaningful information. We welcome contributions and suggest you send them to the editor, Dawn Roberson at [robersondj@ieee.org](mailto:robersondj@ieee.org). Please contact the editor, Dawn Roberson at [robersondj@ieee.org](mailto:robersondj@ieee.org). The deadline for submission is the 25th of the month.

***[Back to Contents](#)***

---



## IEEE Region 3 Leads Expansion Of Teacher Participation

IEEE Educational Activities and Region 3 are working together with local school systems through the implementation of the Teacher Involvement in Science and Technology (TISP) program. IEEE volunteers are developing and presenting technologically oriented professional development or "in-service" settings. In the last four years, there have been over 500 presentations to 581 pre-college teachers within 4 Regions in the Central Texas Section.

The institutionalization of TISP is an important component in the IEEE's Engineering Education, which is an umbrella organization of engineering educational professional associations, dedicated to increasing the number of people who choose engineering as a career path.

A training session for Section volunteers who are willing to chair the 2005 TISP training session will be held at the Hilton Airport Hotel in Atlanta, Georgia. The training session will focus on the role of IEEE volunteers for TISP, and how to work with local school districts.

Participation in the TISP is not only an excellent opportunity for IEEE members to enhance a local community's knowledge of engineering concepts, but it also benefits teachers by providing hands-on experience and knowledge in class with their students, and a greater understanding of engineering. Teachers that participate in TISP can enhance the quality of their teaching and the probability of introducing their students to the engineering profession.

For more information on the upcoming TISP training session or to become a TISP chair, contact D.G. Gorham, +1 732 562 5483, [d.g.gorham@ieee.org](mailto:d.g.gorham@ieee.org), or Allison Ickowicz, +1 732 562 5483, [a.ickowicz@ieee.org](mailto:a.ickowicz@ieee.org).

## Milestones

Sections are urged to get involved in local history, particularly through the IEEE Milestones program, which is designed to help Sections promote the importance of the engineering communities (see [http://www.ieee.org/organizations/history\\_center](http://www.ieee.org/organizations/history_center)). For example, a number of members of the IEEE Santa Clara Valley Section have been instrumental in the development of a museum honoring the development of magnetic disk storage. The IEEE Milestone on 26 May 2005 has led the San Jose City Council to establish a museum (<http://www.magneticdiskheritagecenter.org/>).

Meanwhile, in addition to the three Milestones approved by the IEEE Board of Directors mentioned in the previous e-newsletter, another was added at the IEEE St. Louis Section, "The Storage Electric Power Plant, 1963" (IEEE St. Louis Section, Report of the ExCom agenda for June). It looks like 2005 is going to be another great year for the program. Info on the program is at: [http://www.ieee.org/organizations/history\\_center](http://www.ieee.org/organizations/history_center)

## 2005 IEEE Foundation IEEE Presidents

Designing, building and optimizing a low cost, compact gyro-based professional hand-held motion picture camera earned Adam Dan

Palmer High School in Colorado Springs, Colorado the 2005 IEI Scholarship. The winning project, "Camera Stabilization: Take 2 International Science and Engineering Fair (Intel ISEF) which w May.

Adam's father, Dr. Michael D. Sidman, serves as an engineering Member. This is the first time the Presidents' Scholarship has be member.

A high school junior, Adam has not yet selected a university, but engineering in college. He believes that engineering and film car future career lies in the conjunction of the two disciplines.

Further details of Adam's project will be discussed in an article i Institute.

## **IEEE membership portal**

We hope all Section members are taking advantage of the new II History Center is supplying interesting content which will be fea <http://www.ieee.org/myieee>.

*[Back to Contents](#)*

*[Back to Contents](#)*