

IEEE Central Texas Section

# ANALOG NEWSLETTER

Volume 50-02

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](#).

[Central Texas Section Webpage](#)

[Central Texas Section calendar](#)

## 4. Local Conferences

**2006 IEEE Intl Conference on  
Microelectronic Test Structures** will  
be held March 6-9, 2006 at the Hyatt  
Regency on Town Lake in Austin.  
The conference website is:  
<http://www.see.ed.ac.uk/ICMTS>.

**2006 IEEE International  
Symposium on Performance  
Analysis of Systems & Software  
(ISPASS)** will be held in Austin at the  
Hyatt Regency, March 19-21. The  
conference website is:  
<http://www.ispass.org/ispass2006/>

**2006 IEEE Region 5 Technical,**

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

- [Free online lessons](#)
- [Database offers examples of Pre-University Education Activities](#)
- [Call for Education Activity Board Awards](#)

**Professional & Student Conference** will be held April 7-9 in San Antonio. The conference website is: <http://www.2006ieeer5conference.com>

**First Austin Conference on Integrated Systems and Circuits** will be held May 15-17, 2006. Abstract submissions are due 17 Feb. The conference website is: [www.acisc.org](http://www.acisc.org)

**2006 World Congress on Information Technology** Brings Legacy to Texas. . 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://www.wcit2006.org>

**7th Annual IEEE-UT EMC 2006: The Role of Technology in our Economy.** August 10-11. Conference website: [www.ieeeUTemc.org](http://www.ieeeUTemc.org) for more details.

**IEEE Int'l Systems-On-Chip (SOC) Conference 2006** will be held in Austin Sept 24-27. The *Call for Papers/Workshops/Tutorials* is due **April 14**. Conference website: <http://www.ieee-socc.org>.

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**Conferences affected by the Hurricanes of 2005**

**IEEE PES Transmission & Distribution Conference & Exposition.** The IEEE Power Engineering Society Governing Board has come to the conclusion that the most reasonable course of action is to postpone the meeting until Spring 2006. Check the conference website for details

- [Call for IEEE Foundation Awards](#)
- [Member Portal](#)

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

- [Conferences affected by hurricanes Katrina and Rita](#)

#### 2006:

- [IEEE Int'l Conference on Microelectric Test Structures](#)
- [IEEE Int'l Symposium on Performance Analysis of Systems & So](#)
- [IEEE Region 5 Technical, Professional and Student Conference](#)
- [First Austin Conference on Integrated Systems and Circuits](#)
- [World Congress on Information Technology](#)
- [7th Annual IEEE-UT EMC 2006: The Role of Technology in ou](#)
- [IEEE Int'l Systems-on-Chip \(SOC\) Conference](#)

#### 5. [Presentations of Interest](#)

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### 1. Section Activities

#### *Chairman's Column*

Thanks to all who attended the Spring 2006 Central Texas Section plan election for the 2006 – 2007 term was completed, and we heard reports 1 committee chairs and student chapters for the second half of 2005 and lo thanks to our outgoing chairman, John Purvis, for his leadership; I will b smooth transition.

CTS Officers for 2006-2007 term are:

Chair – Clif Denny: [Clif Denny](#)

Vice Chair - Austin: [Sherry Gillespie](#)

Vice Chair - San Antonio: [Garrett Polhamus](#)

Treasurer: [Scott Atkinson](#)

Secretary: [Oscar Moireira](#)

Our next task will be for the ExCom to approve the Section budget and : Publicity Chair and Electronic Communications Manager. Please let me volunteering for these positions. The IEEE is run by the members, so dc

There are also three meetings in the immediate future. CTS is participati Antonio on February 28, 2006, PACE is holding the annual leadership c 2006, and the Region 5 annual meeting will be in San Antonio on April section, chapter and student chapter officers to attend.

Finally, I will be working though our section vice-chairs to hold an offic first quarter of 2006. I will also be working with the ExCom to set goal membership financial health for the section and chapters and encouragir

5. Presentations of Interest

Correction/Update to: **How to become a Licensed Engineer if you don't work for a PE?**

*Editor's Note: After I published this, I found out that the information I provided was out-dated. Subsequent to being told I had outdated information, I asked the author to update his information and here is the updated column. I apologize to anyone who was affected by this. dr*

The Bexar & Travis Chapters of the Texas Society of Professional Engineers (TSPE) have developed a program to help qualified engineering candidates, who do not work for PE's, to interact with licensed engineers. The purpose of this program is to assist qualified engineering candidates who do not work for licensed engineers overcome the obstacle of finding PE's as references. As indicated on the Texas Board of Professional Engineer's (TBPE) website (below), in addition to the engineering degree and exams, it is necessary to have references from engineers who are licensed. This is a problem for candidates in certain industries; the Bexar and Travis TSPE Chapters want to offer a solution to this problem. Our plan is a three-fold program:

1. Candidates join NSPE/TSPE and attend a Bexar or Travis TSPE Chapter meeting. When you join, please notify John Brogan with the Bexar Chapter or Ted Schoenberg with the Travis Chapter of your specialty and needs and he will help

membership, financial health for the section and chapters and encourage

Thank you for you commitment to our profession and the community w  
Clif

Clif Denny

c.denny@ieee.org  
Senior Member IEEE  
Central Texas Section Chair

-- **Chapter News**

The *Engineering Management Society* wants to start a San Antonio affil please contact [Nils Smith](#).

The *Power Engineering Society* wants to start a San Antonio affiliate gr contact [Rheuben Hair](#).

-- **E week**

E Week for 2006 is late February. These local activities are planned.  
Wednesday Feb 22 Student Breakfast  
Thursday Feb 23 Past Presidents Luncheon  
Friday Feb 24 Golf Tournament  
Saturday Feb 25 Skeet Tournament  
Saturday Feb 25 Engineers Week Banquet in the evening.  
If you would like to participate, contact Ed Pruske at ed.pruske@psiusa.

-- **Continuing Education**

**Software Project Management Certificate Program (online or onsite)**

**PE Exam Review**

**Test Masters Educational Services, Inc. Review Course and Works Engineering PE Exam in San Antonio, TX**

**REVIEW COURSE:**

This 36-hour review course covers selected topics from the following: C Systems, Control Systems, Electrical Circuits, National Electrical Code, Analog Electronics.

**WORKSHOPS:**

There are 12 workshops each of 3 hours on the following subjects: Elect Electronics, Power Systems, Communication Systems, NEC, and Contr on the following two depth exams: Power, and Electronics/Controls/Cor The workshops supplement the review courses for the PE examination. ! problem-solving, numerous test problems will be solved to give students examinations. When the workshops are taken with the review course, th workshops focus on the depth (PM) examinations, but certainly help inc part of the examinations. To get the Guarantee of Passing, at least ten of

with introducing you to the appropriate people in your field.

2. Candidates get involved in Bexar/Travis Chapter TSPE projects and become acquainted with members. In this way, the members can later attest to the character of the candidates.

3. Candidates meet with PE's in their specialty after regular meetings to show examples of their work. By doing this, PE's can attest to the fact that these engineers are doing "engineering work" based on their personal knowledge of the candidate.

How long does this take? The time frame may vary and be dependent on the candidate's presentation of his or her work, amount of experience, and Chapter PE's level of comfort in gaining enough personal knowledge of a candidate to serve as a reference. The desired result will be that potential applicants for an engineering license will have an opportunity to be mentored and obtain PE references.

-For licensing information go to: <http://www.tbpe.state.tx.us>

-For information about joining the Travis TSPE Chapter and its meeting times and places go to: [www.tspe-travis.org](http://www.tspe-travis.org)

-For Information about the Travis Chapter TSPE PE reference program contact: Ted Schoenberg P.E. [ed.schoenberg@austinenergy.com](mailto:ed.schoenberg@austinenergy.com) or phone 512-505-7787

-For information about joining the Bexar Chapter TSPE and its meeting times and places go to [www.bexartspe.org](http://www.bexartspe.org)

-For information about the Bexar Chapter TSPE PE reference program contact:

John A. Brogan P.E. [jabrogan@cpsenergy.com](mailto:jabrogan@cpsenergy.com) or

attended.

**GUARANTEE OF PASSING:**

If you attend every class of the review course and workshops and don't pass, you can absolutely free. For the Principles and Practice examinations, the actual examination of the course. The free repeat is limited to only one time, and it must be used in the next examination have come in. Subsequent repeats within 18 months will be at 50% of the

**COURSE MATERIAL AND REFERENCE BOOKS:**

The fee for the PE review course and workshops include detailed course solution manual.

**LOCATION:** CPS Energy Training Center  
4514 Frank Bryant Lane  
San Antonio, TX

**DATES:** Fri, Sat & Sun 10am-5pm  
February 17, 18, 19, 24, 25, 26 &  
March 3, 4, 5, 10, 11, 12

**REGISTRATION:** (713) 529-9752  
[www.testmasters.com](http://www.testmasters.com)

**FEES:** \$1790

-- ***Student Branches***

**St Mary's University** - San Antonio ([for more information](#))  
Faculty Advisor: Djaffer Ibaroudene, Email: [dibaroudene@stmarytx.ec](mailto:dibaroudene@stmarytx.ec)

**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](#))  
Faculty Advisor: Yufang Jin, Email: [Yufang.Jin@utsa.edu](mailto:Yufang.Jin@utsa.edu)

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-- **2. Chapter Activities**

***Multiple Chapters***

***Joint Meeting between five professional societies in San Antonio: IEE, Aeronautics and Astronautics (AIAA), American Society of Mechanical Engineers (ASME), Society for Metals (ASM), and Society of Automotive Engineers (SAE)***

**Presentation Title:** The Threats from Iraqi Munitions: A First-Hand Account  
**Speaker:** Dr J Keith Clutter

**Date and Time:** Tuesday, February 28,  
6:00 – Networking, 7:00 – Dinner, 8:00 – Presentation.

**Cost:** \$15 IEEE members and guests, \$5 students (5 menu choices)

phone 210-353-3375

-For confirmation of acceptance of this program by the Texas Board of Professional Engineers contact: David Howell, P.E., Director of Licensing for TBPE at: david.howell@tbpe.state.tx.us 512-440-7723

## Keeping current

by John Purvis

As engineers today we all find ourselves facing increasingly long hours to fulfill the everyday activities of our jobs. At the same time, we are pressed by the threat of technical obsolescence to keep up with the rapidly expanding technology. Fortunately, we do have the meetings held by our various Technical Society Chapters. Unfortunately, these meetings cover only a few topics, and are not always scheduled at a time or place that we can all work into our busy schedules. So how do we find the time to keep up? One method of satisfying this need is the podcast.

So, what is a podcast? The name podcast grew out of the craze for portable mp3 players led by Apple Computer and their iPod. The iPod, and similar devices, allows mp3 and other sound files to be downloaded and played off-line for music. With the portable player, audio files can be listened to while you exercise, drive, or sit working at your desk.

The podcast developed when non-music audio files began to be produced and distributed. These begun primarily on technical topics, but have expanded into a wide range of subject matter. These are, for the most part, in a radio talk show format, and several

**Reservations:** RSVP to Dawn Roberson ([robersondj@ieee.org](mailto:robersondj@ieee.org))

**Meeting Location:** hotel in downtown San Antonio - details not available

**Abstract:** On the battlefield in Iraq, munitions threaten US troops in conventional mortar and RPG attacks. A primary threat is the ordnance (IED) used on roadsides to attack convoys. Also common is the vehicle near buildings. The speaker's first-hand experiences with locating and presented. How engineering systems such as robots are used will be discussed in opinion on the technical obstacles associated with roadside IEDs and systems.

In addition to the IED threat, the sheer volume of ordnance in Iraq presents a huge effort to secure the countless caches of ordnance is huge. The speaker will discuss these operations and some of the unique issues. For instance, given the sheer volume of ordnance, the storage and disposal of the items presents great hazards. A munitions storage area explosion since Vietnam will be shown. As the speaker will discuss, countless capture munitions functioned due to cook-off. A net explosive weight were involved.

**Speaker's Biography:** Dr. J. Keith Clutter is currently an Assistant Professor at the University of Texas at San Antonio (UTSA). He also serves as the Director of the Center for Response and Security Engineering and Technology and organizations to analyze potential explosion scenarios and conduct research. He serves at the rank of Major in the US Air Force Reserves and is the Commander of the 506<sup>th</sup> EOD Flight, Kirkuk Airbase, Iraq. During his military service, he captured over 250,000 lbs net explosive weight of captured enemy weapons, IEDs, and countless UXOs after enemy attacks.

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## *Joint Meeting between Engineering Management and Women in Engineering*

**Topic or Presentation Title:** *Scanning the Marketplace - How to Manage*

**Speaker:** Michael Shultz, CEO, Infoglide

**Date and Time:** Tuesday, February 28

**Cost:** \$20 before February 22; \$25 after February 22.

**Reservations:** <http://www.eservicescorp.com/form.aspx?fid=1546>

**Meeting Location:** Thompson Conference Center, Austin, <http://www.utexas.edu>

This month, we're in the middle of our three-part series on [New Product Development](#). This series, offered in conjunction with [PDMA](#) and [PMI](#), will provide a process for delivering new products. One of the most important tasks facing engineers is the efforts to deliver new products or services. To help our Central Texas members, we are offering a series, offered in collaboration with other organizations, on *the process of*

For the purpose of illustration, we will focus on the *hardware industry*, and other domains as well.



a radio talk-show format, and several of these presentations may be of interest to the engineer in their effort to keep current.

Different software is available, most at little or no cost, to facilitate downloading these podcasts. Those that I find most useful are This Week in Tech (TWiT), Security Now, Inside the Net, Science Friday, and our own IEEE Spectrum.

A longer article with links and more details can be found on the [CTS Web site](#).

[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).

February 28, 2006 *Charting your course: selecting the right products* to involves assessing your team's strengths and resources, and choosing the you can build a successful business. We will consider a fascinating case chose the right direction for their team.

March 28, 2006 *Delivering*. Now that you've selected your product, wh: *delivering that product* to the market? This is where you finally turn yo

Questions: email Leslie Martinich [lmartinich@ieee.org](mailto:lmartinich@ieee.org)

### *Joint Meeting between the Computer Systems - San Antonio, the Engi and the IEEE Women in Engineering - San Antonio affiliate group*

**Topic or Presentation Title:** In Silico Modeling of Biological Processes t Biology, Chemistry, and Medicine.

**Speaker:** Pamela K. Fink, Ph.D, Department of Computer Science, St. 1

**Date and Time:** Thursday, February 16 , 2006

6:30 p.m. - Networking; 7:00 p.m. - Dinner; 8:00 p.m. - Progra

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

**Reservations:** Required by Monday, February 13 to Yu Zhang, yzhang@

**Meeting Location:** Skyline Room, Coates Center, Trinity University, Sai

**Directions:** Please note that we have parking instructions on the Web si reserved for Alamo Stadium Event parking. Please check out the instruc [cts.org/meeting\\_details.htm](http://cts.org/meeting_details.htm) for the parking by Laurie Auditorium.

**Abstract:** The development of a new drug today is not as easy as it wa for treatment are much more complex and multivariate than the ones that For example, we have antibiotics available to treat a wide range of bacte prevent many deadly virus infections. The primary focus of drug develop often associated with aging. These diseases have no specific cause, and c of ways. In order to be successful in such efforts, the biology of the proc down to the chemical and even genetic level. This, in turn, requires nove acquisition, documentation, and communication process. Medical resear on, with much time given over to lab work where experiments are run to has been used in this process primarily for data collection and analysis. ' discuss a number of biological models that have been developed over the development. Once developed, these platforms can be used to run count inexpensively to explore the implications of modifying the biological sys capable of generating massive amounts of data for analysis and can be u experiments.

### *Joint Circuits and Systems/Solid-State Circuits (New Chapter!)*

**Topic or Presentation Title:** Presentation of selected topics from the 200

**Speaker:**

**Date and Time:** Tuesday, February 21st, 6:30PM

**Cost:**

**Reservations:**

**Meeting Location:** Pok-e-Jos on 5th Street in Austin.

**Directions:**

The March meeting will be March 14, with an invited panel that will discuss Integrated Circuit Design.

Subsequent meetings will be held the 2nd Tuesday of every month at 6:30 p.m.

For further information, contact Mike Seningen at [seningen@ieee.org](mailto:seningen@ieee.org)

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

**Topic or Presentation Title:** Beyond the System Shall--A Journey from

**Speakers:** Jerry Aubin & Joe Shideler

**Date and Time:** February 15

**Cost:** Free

**Reservations:** None required

**Meeting Location/Directions:** [National Instruments, 11500 North MoPac, Austin, TX 78759](#)

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

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

*Joint Meeting between the Computer Systems - San Antonio, the Engineering Society - San Antonio, and the IEEE Women in Engineering - San Antonio affiliate group*

**Topic or Presentation Title:** In Silico Modeling of Biological Processes in Biology, Chemistry, and Medicine.

**Speaker:** Pamela K. Fink, Ph.D, Department of Computer Science, St. Mary's University

**Date and Time:** Thursday, February 16, 2006

6:30 p.m. - Networking; 7:00 p.m. - Dinner; 8:00 p.m. - Program

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

**Reservations:** Required by Monday, February 13 to Yu Zhang, [yzhang@cs.stmarys.edu](mailto:yzhang@cs.stmarys.edu)

**Meeting Location:** Skyline Room, Coates Center, Trinity University, San Antonio, TX

**Directions:** Please note that we have parking instructions on the Web site. The Skyline Room is reserved for Alamo Stadium Event parking. Please check out the instructions at [www.utsa.edu/cts.org/meeting\\_details.htm](http://www.utsa.edu/cts.org/meeting_details.htm) for the parking by Laurie Auditorium.

**Abstract:** The development of a new drug today is not as easy as it was in the past. The diseases that we are treating for treatment are much more complex and multivariate than the ones that we have been able to treat. For example, we have antibiotics available to treat a wide range of bacterial infections, but we cannot prevent many deadly virus infections. The primary focus of drug development is on diseases that are often associated with aging. These diseases have no specific cause, and they are often treated in a number of ways. In order to be successful in such efforts, the biology of the process must be understood down to the chemical and even genetic level. This, in turn, requires novel techniques for the acquisition, documentation, and communication process. Medical research is a slow process, with much time given over to lab work where experiments are run to determine the effectiveness of a drug.

has been used in this process primarily for data collection and analysis. We will discuss a number of biological models that have been developed over the development. Once developed, these platforms can be used to run count inexpensively to explore the implications of modifying the biological systems capable of generating massive amounts of data for analysis and can be used in experiments.

**Speakers Bio:** Dr. Fink is a pioneer in the intelligent systems development. She started a group in applied R&D in artificial intelligence (AI) at Southwest Research Institute from 1980-1990. During her 10 years at the Institute Dr. Fink led programs in knowledge acquisition and representation to highly applied software development for the Department of Defense and other large customers. Dr. Fink left the Institute to start up a biotechnology company, Medical Science Systems (later renamed Intelliscience) to develop computer models to support a variety of areas of medicine, including basic research and clinical applications. She then co-founded another biotechnology company, Biocompare, to support drug development. Dr. Fink is currently an Assistant Professor at St. Mary's University in San Antonio, Texas.

More information on the program is available at our Web site <http://www.ies.org>

The meeting is open to the public.

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*... Consultants Network [for more information]*

**Topic or Presentation Title:** Insurance 101 for Consultants

**Speaker:** [George A. Gutierrez](#), MBA 1982, USAFA 1976, Insurance Consultant

**Date and Time:** Thursday February 9, 2006

networking at 6:00 pm, business and program from 7:00 pm to 8:00 pm

**Cost:**

**Reservations:**

**Meeting Location:** China Star Restaurant, 6134 Hwy 290 E, Austin TX  
(North side of 290E, east of IH 35)

**Directions:**

Topics to be covered: Basics of commercial insurance for small businesses, common omissions and errors, retirement planning and what's new for small business. Speaker: After 7 years as a C-130 Navigator, George worked in Market Research with Texas Instruments, Sprint and MCI WorldCom. Today George has his own business helping individuals and small businesses.

The consultants' web directory has been updated. The directory is to be found at <http://www.alesu.com/xltp/ieecons/listzero.htm>

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*... Electromagnetic Compatibility Society [for more information]*

**Topic or Presentation Title:** Reduction of System Clock EMI

**Speaker:** Jim Satterwhite, President Teltest Electronics Laboratories, Austin

**Date and Time:** Wednesday, February 22, 2006, Social 6:30 PM, Meeting Room

**Cost:**



**Reservations:**

**Meeting Location:** Dell Computer PS-4/Victoria Conference Room, Aus

**Directions:**

The system clock has long been a known major contributor to system EMI. TI has developed a unique system to significantly lower the contribution of the system clock. The two-part presentation will give an overview of that technology along with the product implementations and a spectrum analyzer.

**Bio:** Jim Satterwhite is the president and founder of Teltest Electronics LLC, a company. Jim is a NARTE certified EMC engineer as well as a senior IEEE Professional Engineer. He earned his BEE with High Honors from the University of Purdue University and is a graduate of the Bell Labs Graduate Study Program. He has a background in electronics R&D forming TELI over twenty years ago to date. Prior to forming TELI Jim was employed by Bell Labs, Motorola and 3M.

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

For the first time since 1997, the IEEE EMC Symposium will be returning to the Central Texas EMC Society was recently awarded the 2009 Symposium award, putting on another great event. If you are interested in assisting with this event, please contact the contact information.

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*Electron Devices Society* [[for more information](#)]

**Topic or Presentation Title:**

**Speaker:**

**Date and Time:**

**Cost:**

**Reservations:**

**Meeting Location:** Room 3-D SEMATECH

2706 Montopolis Dr., Austin, TX 78741

**Directions:** <http://www.sematech.org/corporate/map.htm>

**Entry Directions:** The visitor lobby is open until 6pm. Anyone arriving in the second parking lot on the right and enter near the flag pole, north of the building. After 6pm, everyone needs to enter through the east lobby. Park in the first parking lot through the door with the ATDF sign over it. **Refreshments: 6pm - 6:30pm**

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*Engineering in Medicine and Biology* [[for more information](#)]

*Joint Meeting between the Computer Systems - San Antonio, the Engineering in Medicine and Biology - San Antonio affiliate group*

**Topic or Presentation Title:** In Silico Modeling of Biological Processes in Biology, Chemistry, and Medicine.

**Speaker:** Pamela K. Fink, Ph.D, Department of Computer Science, St. Ignace College

**Date and Time:** Thursday, February 16, 2006

6:30 p.m. - Networking; 7:00 p.m. - Dinner; 8:00 p.m. - Program

**Cost:** \$10 members/\$2 students/\$12 non-members

**Cost:** \$10 MEMBERS/ \$2 STUDENTS/\$15 NON-MEMBERS

**Reservations:** Required by Monday, February 13 to Yu Zhang, yzhang@

**Meeting Location:** Skyline Room, Coates Center, Trinity University, San

**Directions:** Please note that we have parking instructions on the Web site reserved for Alamo Stadium Event parking. Please check out the instructions at [cts.org/meeting\\_details.htm](http://www.ewh.ieee.org/central_texas/emeets/cts.org/meeting_details.htm) for the parking by Laurie Auditorium.

We have an exciting Spring planned.

March 8- Dr Kay Robbins on her research.

For further information, please contact Dawn Roberson, 210-458-5520,

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

### *Joint Meeting between Engineering Management and Women in Eng*

**Topic or Presentation Title:** *Scanning the Marketplace - How to Manage*

**Speaker:** Michael Shultz, CEO, Infoglide

**Date and Time:** Tuesday, February 28

**Cost:** \$20 before February 22; \$25 after February 22.

**Reservations:** <http://www.eservicescorp.com/form.aspx?fid=1546>

**Meeting Location:** Thompson Conference Center, Austin, <http://www.ut>

This month, we're in the middle of our three-part series on [New Product Cash](#). This series, offered in conjunction with [PDMA](#) and [PMI](#), will provide a process for delivering new products. One of the most important tasks facing engineers is the efforts to deliver new products or services. To help our Central Texas Section members, this series, offered in collaboration with other organizations, on *the process of*

For the purpose of illustration, we will focus on the *hardware industry*, and other domains as well.

February 28, 2006 *Charting your course: selecting the right products* for your business involves assessing your team's strengths and resources, and choosing the right direction you can build a successful business. We will consider a fascinating case study of a team that chose the right direction for their team.

March 28, 2006 *Delivering*. Now that you've selected your product, what is the best way to *delivering that product* to the market? This is where you finally turn your

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

For information regarding chapter activities (and those wanting to volunteer), contact [leslie@competitivefocus.com](mailto:leslie@competitivefocus.com) (512-423-5121).

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### *Graduates of the Last Decade (GOLD)*

**Topic or Presentation Title:**

**Speaker:**

**Date and Time:**

**Cost:**

**Reservations:** Kristi Hummel, [khummel@ieee.org](mailto:khummel@ieee.org)

**Meeting Location:**

**Directions:**

Please send an email to Kristi Hummel [khummel@ieee.org](mailto:khummel@ieee.org) if you plan to

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*-- 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).

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*-- Power Engineering Society [\[for more information\]](#)*

**Topic or Presentation Title:** Lighting

**Speaker:**

**Date and Time:** Tuesday, February 28

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:** RSVP to [Rheuben Hair](#) at (512) 477-6937 ext 303 or go to <http://www.ewh.ieee.org/soc/pes/centraltexas/index.htm>.

**Meeting Location:** El Gallo Mexican Restaurant at 2910 S Congress

**Directions:**

**Exciting 2006 Schedule:**

March 28: *Tour of the Austin District Chilled Water Plant* - Austin Energy

April 25: *Switch Gear*

May 23: *Fire Stopping*, Mario Hernandez, 3M

June 27: *Reactive Power: Billing and Costs*

July 25: *Ethics Class* - CW Clark, Texas PE Board

August 22: *LCRA River Monitoring System*

Sept 26: *Anatomy of an Accident: How Lack of Documentation Will Cost You*  
TXDOT

October 24: *Black Start: Recovery of Grid After Emergency Operation*

November: *Alcoa Plant Tour*

For further information, please contact Susan Thompton or Roy Matthey

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

**Topic or Presentation Title:** EMC for Product Safety Professionals

**Speaker:** Rich Worley, EMC Engineer, Dell Inc

**Date and Time:** Tuesday, February 2, 6:30pm

**Cost:**

**Reservations:**

**Meeting Location:** Dell, Parmer Campus, Parmer South Building 4, Vict

**Directions:** Call Dale Ritzen (512) 651-5338 for details and directions.

We encourage you, others in your organization, or other interested parties to attend this meeting every month. The PSES meets every month on the third Tuesday of every month at 7pm, except in November/December. A combined monthly meeting is held in November and December to allow members and guests to enjoy the Thanksgiving and Christmas holidays. For more information on PSES, please contact Dale Ritzen at (512) 651-5338.

Chapter Chair: Daniece Carpenter (daniece\_carpenter@dell.com).

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***Joint Signal Processing/Communications Society*** [\[for more information\]](#)

**Topic or Presentation Title:**

**Speaker:**

**Date and Time:**

**Cost:**

**Reservations:**

**Meeting Location:**

**Directions:**

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

***Joint Meeting between Engineering Management and Women in Engineering***

**Topic or Presentation Title:** *Scanning the Marketplace - How to Manage*

**Speaker:** Michael Shultz, CEO, Infoglide

**Date and Time:** Tuesday, February 28

**Cost:** \$20 before February 22; \$25 after February 22.

**Reservations:** <http://www.eservicescorp.com/form.aspx?fid=1546>

**Meeting Location:** Thompson Conference Center, Austin, <http://www.ut>

This month, we're in the middle of our three-part series on [New Product Cash](#). This series, offered in conjunction with [PDMA](#) and [PMI](#), will provide a process for delivering new products. One of the most important tasks facing the efforts to deliver new products or services. To help our Central Texas Chapter, this series, offered in collaboration with other organizations, on *the process of*

For the purpose of illustration, we will focus on the *hardware industry*, and

domains as well.

Women in Engineering has been an Affinity Group of the Central Texas Activities have been until now, Austin-based, with programs, events and Austin area. We are delighted to announce that WIE is now expanding. Mercy Luhanga, Yu Zhang and Dawnlee Roberson are leading the effort in San Antonio and have an exciting Spring planned! We look forward to establishing a group in San Antonio and evolving to two active groups. The San Antonio group will meet on February 16 with the Computer Society-SA and Engineering in Medicine Society at UTSA's Skyline Room, and more fun meetings planned for the Spring.

Additional details are posted on the WIE website at <http://ewh.ieee.org/r>

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### *Editor's Notes*

The goal of this newsletter is to provide the more than 5000 members of IEEE with meaningful information. We welcome contributions and suggestions that you can make. Please contact the editor, Dawn Roberson at [robersondj@ieee.org](mailto:robersondj@ieee.org) if you have a contribution. 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 IEEE publications. Subscribe to IEEE Society publications at low, member-only rates. Purchase 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: \*BC career-building resources, including articles and product and service notices. NAVIGATOR at: <http://ieeeusa.org/careers/>. IEEE XELL [a.k.a. Expert SUPPORT

## **Partnership Agreement Signed with THOMSON**

A Courseware Development and Distribution Agreement has been signed between Thomson and IEEE to produce and distribute a collection of courses entitled Expert Now. This agreement enabled Thomson and IEEE to undertake an official product launch on 1

Agreement is for one year beginning on the effective date of September began in July, 2005. During this period, the Director of Continuing Edu Activities (EA) worked with Thomson to highlight the features and bene process for Expert Now IEEE with Thomson regional sales teams. At th of 155 Thomson sales Account Managers and Learning Consultants has seen as a potential solution for many of Thomson's existing clients. A sig team has started to educate their clients about Expert Now IEEE.

Early sales negotiations have started with two corporate clients and one been developed by Thomson and agreed to by IEEE for institutional sale modules are complete and it is estimated that the collection will contain 5 development of an additional 24 modules is already being funded by 14 this number will grow as we move into 2006 and sales of the product lin developed cooperatively between IEEE and Thomson. It is scheduled fo Board meeting. Early in the first quarter of 2006, a meeting is being plan Activities (EA) Liaisons to develop a system that ensures the very best S selected and the quality review process is reviewed and expanded.

For more information on Expert Now, please go to <<http://www.ieee.org> questions CONTACT Marilyn Catis, telephone +1 732 562 5323; "Mai Gallus, telephone +1 732 562 5499; "[MailTo: t.gallus@ieee.org](mailto:t.gallus@ieee.org)".

*editor's note: I wandered through these, and they seem to be free at this eventually be a cost, but the topics varied from tutorial to more details, c*

## **Database Offers Examples of Pre-Universi**

A new section of the IEEE Web site has been developed to help IEEE n various activities being conducted in IEEE sections related to pre-univer technology education. Created by IEEE Educational Activities with supp IEEE Pre-university Activity Network consists of two parts:

- \*a public area that details current and upcoming activities worldwide
- \*a password-protected database for IEEE members and volunteers to sul best practices for display on the site

There are currently about 70 examples of IEEE pre-university activities i the IEEE Pre-university Network, visit <http://www.ieee.org/eab/preudat> Doug Gorham, IEEE Educational Activities; telephone +1 732 562 548; Ickowicz, IEEE Educational Activities; telephone +1 732 562 5496; "[a.](#)

## **Call for EAB Award Nominations**

The IEEE Educational Activities Board is accepting nominations of IEE The deadline for nominations is 30 April 2006. Awards include: IEEE E Development Award, IEEE EAB Meritorious Achievement Award in A Meritorious Achievement Award in Continuing Education, IEEE EAB I IEEE EAB Pre-University Educator Award, IEEE EAB Meritorious Se Employer Professional Development Award.



For award descriptions, honorarium details, and nominations packets, visit [http://www.ieee.org/portal/cms\\_docs/education/EABAwards/index.htm](http://www.ieee.org/portal/cms_docs/education/EABAwards/index.htm). Awards contact [eab-awards@ieee.org](mailto:eab-awards@ieee.org).

## **IEEE Foundation Announces 2006 Applica**

The IEEE Foundation, the philanthropic arm of the IEEE, will accept innovative projects that seek to improve the worldwide technological life through adulthood in three cycles in 2006. Projects should:

1. Improve primary and secondary math and science learning,
2. Prepare pre-university students to consider engineering as a career path
3. Increase active interest in engineering and science,
4. Preserve the history of IEEE associated technologies,
5. Tap the technological expertise of IEEE members,

Application deadlines:

Applications Due	IEEE Foundation Meeting Date
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January 7, 2006	March 2006
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April 15, 2006	June 2006
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September 16, 2006	November 2006
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To learn more about the IEEE Foundation's grant guidelines, and to submit applications, visit the web at [www.ieeefoundation.org](http://www.ieeefoundation.org).

## **IEEE membership portal**

We hope all Section members are taking advantage of the new IEEE Member Center which is supplying interesting content which will be featured on the main page. Visit <http://www.ieee.org/myieee>.

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