

IEEE Central Texas Section

# ***ANALOG NEWSLETTER***

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**August 2006**

Newsletter of the  
Central Texas Section  
of the Institute of  
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previous month).  
Dawn Roberson,  
Editor,  
(robersondj@ieee.org).  
Have a question or  
comment? [Contact us](#).

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#### 4. Local Conferences

##### 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. Conference website:

<http://www.ieee-socc.org>.

##### IEEE Dallas Circuits and Systems

**Workshop**, Oct 29-30 at UT-Dallas. Their topic is Application, Integration, Implementation and Software Aspects of System on Chip. Call for papers due 4 Aug. Conference website:

<http://www.ewh.ieee.org>

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#### 4. Local Conferences

- [7th Annual IEEE-UT EMC 2006: The Role of Technology in our Economy](#)
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#### 5. Presentations of Interest

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### 1. Section Activities

#### *Chairman's Column*

Plans for the Central Texas Section Fall Planning meeting are well under way. The meeting will be held in San Marcos at the Quality Inn on August 5, 2006 and the meeting invitation is in your email. This is the time to share information about plans for the fall. Each of the ExComm members are asked to make their report, and we will hear from each of the Student Branches about fall funding.

[/soc/cas/dallas/wks2006](#)

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**5.  
Presentations  
of Interest**

Miscellaneous:

Anyone wishing a five page list of used test equipment for sale please email or call Bob Ripley at 512-219-6650 or bobripley@sbcglobal.net

The fall Senior Member event will be held on August 10 in Austin at St. Edwards. This is an excellent opportunity upgrade your IEEE membership. Section will host the meeting, help with preparing your application and supply reference writers for qualified applicants.

Be sure to consult the Central Texas Section Website, [http://www.ewh.ieee.org/r5/central\\_texas/](http://www.ewh.ieee.org/r5/central_texas/) for meetings, conference dates and news.

Thanks to all who volunteer their time and skill to the Central Texas Section of IEEE.

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

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*Chapter News*

The *Engineering Management Society* wants to start a San Antonio affiliate group. If you are interested, please contact [Nils Smith](#).

The field of interest of the Education Society (<http://www.ewh.ieee.org/soc/es/>) includes educational methods, educational technology, instructional materials, history of science and technology, and educational and professional development programs within Electrical Engineering, Computer Engineering, and allied disciplines. Oliver K. Ban ([bano@us.ibm.com](mailto:bano@us.ibm.com)) has begun an effort to organize a local Chapter of the Education Society here in the Central Texas Section. If you are interested in assisting in organize this new Chapter, please contact Oliver at the email address above. Mr Ban is interested in collaborating with other, more established societies in CTS to get the Education Society going - again, if you have questions, please contact him!

**SENIOR MEMBER UPGRADE EVENT**

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To contribute

August 10, 2006

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



**August 10, 2006**

**“Supersize” your IEEE Membership - Upgrade to Senior Member Status**

If you have a baccalaureate degree in engineering and seven or more years of professional experience you are eligible to apply for upgrade to Senior Member Grade. Complete upgrade information, including requirements can be found at:

[www.ieee.org/membership/upgrade.html](http://www.ieee.org/membership/upgrade.html)

If you meet the requirements but never seem to have the time to complete an application, we invite you to come to an “upgrade” event on Thursday evening, August 10<sup>th</sup> at St. Edwards University in South Austin. (A similar event will be held later this fall in the San Antonio.) Senior members who have been through this process will be at the meeting to provide assistance in reviewing your application. We will have computers available to help you to finalize your application if needed. After the event, the Central Texas Section (CTS) will ensure the required references are written by CTS senior members. Light refreshments will be provided.

For more information contact Joe Redfield at [Joe.Redfield@SwRI.org](mailto:Joe.Redfield@SwRI.org)

**New Senior Members**

Please congratulate the following people when you see them next on their recent upgrade to Senior Member: You Seok Son, Mohammed Suhail and Raghuram Tupuri.

*.. 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](http://www.UTclee.org) for more information.

Upcoming opportunities include:

[IEEE-UT’s 7<sup>th</sup> Annual Engineering Management Conference](#) • August 10-11, 2006

[Advanced Wastewater Pollution Control](#) • August 21-25, 2006

[Software Project Management Certificate Program \(online or onsite\)](#) • ongoing

**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

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 July 1. More information at: [www.executivemasters.org](http://www.executivemasters.org).

### *-- Student Branches*

*Editor's Note:* There are several 'volunteer' positions in the CTS, one is mine (Analog Editor), and another, very visible, one is Student Liaison. **Paul Kaschube** has served as Student Liaison since January 2003, and is resigning this position this summer. Paul has worked tirelessly to support, encourage, and mentor students in many ways. He visits each school with an active IEEE student chapter at least once each semester, and actively pursued the development of new student chapters. He trained many of the Faculty Advisors, and kept them informed of activities pertinent to student chapters, as well as keeping in contact with the individual student leaders. I called on him personally numerous times to help me with projects, and he always came through. He represented IEEE and the CTS well to our future colleagues. Paul - thank you! Next time you see him, **thank him** for a job well done!

Dr Steve Crowl will be assuming the role of Student Liaison from Paul.

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

**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**

Russ Harrison, IEEE USA Legislative Representative for Grassroots Affairs, will be giving a presentation in Austin on Thursday, Nov. 16 from 6-8 pm for the Central Texas Section. He will be addressing IEEE legislative strategy nationally, as well as providing a look at issues in Texas. Erica Wissolik, former staff member in the Texas legislature will be joining him. More information will be provided as available.

***Multiple Chapters***

***Joint meeting with Engineering Management, Austin Computer Society and Women in Engineering***

**Topic or Presentation Title:** Effective Meetings

**Speaker:** Mark Horstman, publisher of the Manager Tools podcasts

**Date and Time:** Wednesday, October 4 at 6:30

**Cost:** N/C

**Reservations:**

**Meeting Location:** National Instruments, 11500 N. MoPac, Bldg. C, Room 1S15

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***Joint Circuits and Systems/Solid-State Circuits***

**Topic or Presentation Title:** Embedded RAM Memories

**Speaker:** Dr Betty Prince, Memory Strategies Int'l, IEEE Distinguished Lecturer

**Date and Time:** Tuesday, Aug 8, 2006, 6:30 - network, 7pm - Program

**Cost:**

**Reservations:**

**Meeting Location:** Central Market - North Store, Community Room, 4001 N Lamar, Austin

Abstract: Technology issues for embedded DRAM are discussed including DRAM, PSRAM, and SRAM. Future RAM technologies such as capacitorless DRAM, MIM capacitor DRAM, and vertical SRAM are covered.

For further information, contact Mike Seningen at [seningen@ieee.org](mailto:seningen@ieee.org) or Carol Jens at [c.jens@ieee.org](mailto:c.jens@ieee.org).

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***Computer Society - Austin [for more information]***

**Topic or Presentation Title:**

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**Lightweight Reviews: How code reviews can be effective and measureable without a lot of process**

**Speakers:** Jason Cohen, CEO, [SmartBear Software, Inc.](#), the makers of [Code Collaborator](#)

**Date and Time:** Wednesday, August 23, 2006 at 6:30pm

**Cost:** Free, but please bring a friend or colleague who has never attended!

**Reservations:** None required

**Meeting Location/Directions:** [National Instruments, 11500 North MoPac, Building C, room 1S13, Austin, TX 78759](#)

Upcoming Schedule:

Sept 23: Friend or Foe? Accessibility, Technology and People - a panel discussion

Oct 4: Effective Meetings, by Mark Horstman - a joint meeting with Engineering Management and WiE.

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

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

**Topic or Presentation Title:** Summer Break!

**Speaker:**

**Date and Time:** September 2006

6:30 p.m. - Networking; 7:00 p.m. - Dinner; 7:20-7:45 p.m. - Short student presentations

**Cost:**

**Reservations:**

**Meeting Location:**

**Directions:** 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](http://www.ieee-cs-cts.org/meeting_details.htm) for the parking by Laurie Auditorium.

More information on the program is available at our Web site <http://www.ieee-cs-cts.org>.

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***Consultants Network*** [\[for more information\]](#)

**Topic or Presentation Title:** Customer Choice, Privacy and Security Implications of IP Multimedia Subsystems.

**Speaker:** W Scott McCollough, Attorney

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

Networking at 6:00 pm, Business and program from 7:00 pm to 8:30 pm

**Cost:** Free. Supper is an optional extra cost.

**Reservations:**

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

**Directions:**

**Topic:** Unexpected legal and confidentiality troubles are being grappled with as the IP Multimedia Subsystem (IMS) unfolds. IMS is a standardized Next Generation Networking (NGN) architecture for multimedia services.

It uses cellular tools to provide ubiquitous access and Internet technologies via Voice-over-IP (VoIP) over standard Internet Protocol (IP). Existing phone systems are supported.

**Speaker:** John Griessen <[john\\_g@cibolo.com](mailto:john_g@cibolo.com)>

Telecommunications and ISP Law Specialist

Unparalleled knowledge and experience relating to those places where technology and regulation intersect - and often collide.

University of Texas at Austin: B.A. in Government/Pre-Law, 1978 (with Honors)

University of Texas School of Law: J.D., August, 1982 (with Honors)

Licensed May 1983, Board Certified in Administrative Law 1989

Focus of practice is on public law, including consumer rights; procurement; telecommunications, electric and gas utilities; administrative law; economic regulation; consulting; and governmental relations.

The Consultants web directory is to be found at <http://www.alesu.com/xltrp/ieeecocons/listzero.htm>

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*.. Electromagnetic Compatibility Society [\[for more information\]](#)*

**Topic or Presentation Title:** ""

**Speaker:**

**Date and Time:** Thursday, 6:30 PM social, 7:00 PM program

**Cost:**

**Reservations:**

**Meeting Location:** Dell Computer, Bldg. PS-4, Victoria Conference Room

**Directions:**

### **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.

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

**Topic or Presentation Title:** FUSI Metal Gate and Local Stress

**Speaker:** Brook Hsu

**Date and Time:** Thursday, August 24. Refreshments 6-6:30pm, Program at 7p

**Cost:**

**Reservations:** Please RSVP to [andrew.lin@freescale.com](mailto:andrew.lin@freescale.com) to refreshments can be purchased.

**Meeting Location:** Room FC, Ground floor, SEMATECH  
2706 Montopolis Dr., Austin, TX 78741

**Directions:** <http://www.sematech.org/corporate/map.htm>. The visitor lobby is open until 6 pm. Anyone arriving before 6 can go there to sign in. Park in the second parking lot on the right and enter near the flag pole, north side of building in the middle. After 6 pm everyone needs to enter through the east lobby. Park in the first parking lot on the right and enter through the door with the ATDF sign over it.

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

**Topic or Presentation Title:** Summer Break

**Speaker:**

**Date and Time:** September, 2006

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

**Cost:** \$10 members/ free for students/\$15 non-members

**Reservations:** RSVP to [Garrett Polhamus](#)

**Meeting Location:**

**Directions:**

For further information, please contact Dawn Roberson, 210-458-5520, [robersondj@ieee.org](mailto:robersondj@ieee.org).

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

**Topic or Presentation Title:** ""

**Speaker:**

**Date and Time:** Tuesday, , 2006, 5:30pm

**Cost:** \$15 at the door, includes dinner

**Reservations:** Leslie Martinich, [lmartinich@ieee.org](mailto:lmartinich@ieee.org)

**Meeting Location:** El Gallo Restaurant, 2910 S. Congress Ave.

### **UPCOMING CONFERENCE!!**

Join us for the 7<sup>th</sup> Annual [IEEE UT Engineering Management Conference](#), August 10-11, “The Role of Technology in Our Economy,” at the Austin Marriott South. Earn 1.5 CEUs plus 2 hours of Ethics in two days to satisfy PE continuing education requirements while you participate in excellent workshops on the latest developments in engineering and technology. Make plans to attend and register now! This conference is co-sponsored by the IEEE Central Texas Section and the University of Texas Center for Lifelong Engineering Education.

For other information about the Engineering Management Society activities, see the the web site:

[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 Martinich ([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:**

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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:** LCRA - Managing Floods on the Colorado River

**Speaker:** David Walker, PE, of Lower Colorado River Authority.

**Date and Time:** Tuesday, August 22

6:00pm Social

6:30-7:00 Dinner

7:00-7:30 Business Meeting

7:30-8:30 Program

**Cost:** Dinner is \$12.00 – IEEE Members

\$15.00 – Non-IEEE Members

Free for students.

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

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

**Directions:**

**Speaker's work history:** Mr Walker has worked at the LCRA, - Supervisor, River Operations Center, the City of Austin, as a Supervising Engineer, Watershed Protection and Development Review Department - Project Manager & Engineer: Public Works Department, at the U.S. Agency for International Development, - Engineering Associate, Rural Road Construction Program, and at the U.S. Peace Corps, - Volunteer, Rural Development Projects. He received his BSCE at the University of Texas, Austin.

**Exciting 2006 Schedule:**

Sept 26: *Anatomy of an Accident: How Lack of Documentation Will Cause Problems* - James Mercer, PE, TXDOT

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

November: *Alcoa Plant Tour*

December - No meeting - Merry Christmas!

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

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

**Topic or Presentation Title:** South Padre Island Bridge Collapse Detection System

**Speaker:** James Mercier, PE, TXDOT

**Date and Time:** Thursday, August 24

6:00pm Social

6:30-7:00 Dinner

7:00-7:30 Business Meeting

7:30-8:30 Program

**Cost:** Dinner from the menu

**Reservations:** Please contact Steve L. Kanetzky, P.E. @ 512-326-3380, or [skanetzky@skaneng.com](mailto:skanetzky@skaneng.com)

For more information go to our web site at <http://ewh.ieee.org/soc/pes/centraltexas/>

**Meeting Location:** Spaghetti Warehouse, 1226 E. Houston (see below), San Antonio, Texas

**Directions:**

**Exciting 2006 Schedule:**

Sept 28 - Chuck Barry, Toshiba

Oct 26 - TBD

Nov - Tour

Dec - no meeting - Merry Christmas

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

**Topic or Presentation Title:** Job Resources in the Austin/Central Texas Area

**Speaker:** Kathy Lansford, Texas Workforce Commission

**Date and Time:** Tuesday, August 15, 6:30pm

**Cost:** None

**Reservations:** None

**Meeting Location:** Dell, Parmer Campus, Parmer South Building 4, Victoria Conference Room.

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

**Exciting future meetings:**

September 19: *A Review of the Underwriter's Laboratories Amusement and Gaming Machines Standard - III.22.* David Ball of Multimedia Games. Inc.

October 17: *Equipment Safety in Hazardous Locations*, Jim Dolphin

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.

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

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

**Topic or Presentation Title:** Determining Vulnerabilities in your IT infrastructure.

**Speaker:** Doug Landoll, CISSP, CISA En Pointe Technologies

**Date and Time:** Thursday, August 17, 2006 at 7pm

**Cost:** Free

**Reservations:** RSVP to Steve Crowl [stevec@stedwards.edu](mailto:stevec@stedwards.edu)

**Meeting Location:** AT&T (formerly SBC) Labs - 9505 Arboretum Blvd, Austin, TX 78759

**Directions:**

[http://maps.yahoo.com/maps\\_result?newFL=Use+Address+Below&addr=9505+arboretum+blvd&csz=78759&.intl=us&na](http://maps.yahoo.com/maps_result?newFL=Use+Address+Below&addr=9505+arboretum+blvd&csz=78759&.intl=us&na)

**Abstract:** Keeping an organization's IT infrastructure running smoothly and effectively is an important task for any organization. This presentation will focus on a methodology to more completely identify IT infrastructure vulnerabilities in support of the mission.

**Speaker:** Speaker: Doug is currently General Manager of Security Services at En Pointe Technologies with over 18 years experience performing information system evaluations including security risk assessments for government and industry. He was previously President of Veridyn where he developed their proprietary Security Risk Assessment Methodology. He is a former National Security Agency Trust Evaluator who performed "Orange Book" evaluations and developed the INFOSEC curriculum for the agency.

**Upcoming Meetings:**

Sept 21: *Net Neutrality* - Panel of experts

October 19: *Small Business Innovation Research Grants* - Fred Patterson

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

*Joint meeting with Engineering Management and Austin Computer Society*

**Topic or Presentation Title:** Effective Meetings

**Speaker:** Mark Horstman, publisher of the Manager Tools podcasts

**Date and Time:** Wednesday, October 4 at 6:30

**Cost:** N/C

**Reservations:**

**Meeting Location:** National Instruments, 11500 N. MoPac, Bldg. C, Room 1S15

Women in Engineering has been an Affinity Group of the Central Texas Section since the Fall of 2002. Activities have been until now, Austin-based, with programs, events and membership primarily from the Austin area. We are delighted to announce that WIE is now expanding activities to the San Antonio area. Mercy Luhanga, Yu Zhang and Dawnlee Roberson are leading the effort to initiate WIE activities in San Antonio. We look forward to establishing a WIE membership base in San Antonio and evolving to two active groups.

Additional details are posted on the WIE website at [http://ewh.ieee.org/r5/central\\_texas/wie](http://ewh.ieee.org/r5/central_texas/wie).

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### *Editor's Notes*

The goal of this newsletter is to provide the more than 6500 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](mailto:robersondj@ieee.org) if you have any thoughts or suggestions. The deadline for submission is the 25th of the month.

To add your name to the list who get the Analog, send an email from the address to be added to [listserv@listserv.ieee.org](mailto:listserv@listserv.ieee.org). Put only the following text in the body of the message: subscribe cts-section.

If you no longer wish to receive the Analog, follow the directions as listed above, but instead of subscribe, put 'unsubscribe cts-section'.

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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://ieeusa.org/careers/>. IEEE XELL [a.k.a. Expert Now IEEE] GAINS SOCIETIES' SUPPORT

### **\_\_ IEEE-USA Offers Resources to Assist Tech-Based Entrepreneurs**

The new IEEE-USA Entrepreneurs Village is an online portal designed to provide high-tech entrepreneurs with tools and resources conducive to innovation and company growth. The portal links high-tech entrepreneurs with their peers, and prospective entrepreneurs with mentors. Village members can seek advice and information on such topics as organization, funding, marketing, human resources, asset requirements, growth, best practices, and legal and government issues. A search engine will assist you in finding the right match for your needs. Experienced entrepreneurs are encouraged to become mentors.

To read the related news release, visit: <http://boldfish.ieee.org:80/u/2682/135523>

Visit the Village at: <http://boldfish.ieee.org:80/u/2683/135523>.

## **2007 National Electrical Safety Code Available for Advanced Orders**

The National Electric Safety Code (NESC(R)) has been updated and is now available for advance orders ahead of its on-sale date of 1 August 2006. The code, which is used throughout the United States and in more than 100 countries, offers practical guidance on how to safeguard employees and the public when electrical supply and communication lines are designed, installed, operated and maintained. It is updated every five years to reflect changes in the electrical and communications industries. The 2007 version includes new appendices on loading and conductor movement, extreme wind loading, and maximum over-voltage at a work site. For more information, visit: <http://standards.ieee.org/nesc/nescproducts.html>

## **Who is Archibald Putt? The Technocrat's Mystique Continues**

Coined in the 1980s, Putt's Law states that two types of people dominate technology: those who understand what they do not manage and those who manage what they do not understand. Rumored to be an industry leader cautiously hiding behind a pseudonym, Putt dishes on corporate environments, technology, and how to succeed in the industry. Listen to IEEE Spectrum Online editor Susan Hassler's interview with this unorthodox and humorous sage at <http://boldfish.ieee.org:80/u/2759/00757617>

## **Ready to Learn With Online Tutorials**

The problem: you have to get up to speed quickly on, say, the python programming language. The solution: start with the new ReadyNotes online tutorials from the IEEE Computer Society. Seven tutorials are out so far, and the one-stop guides provide practical nuts-and-bolts instruction across a range of topics geared to software developers, IT professionals, computing instructors, and students. Read more at <http://boldfish.ieee.org:80/u/2598/00757617>

## **Vehicular Technology Conference on Car Communication Systems**

The 64th IEEE Vehicular Technology Conference, to be held 25 to 28 September, in Montreal, will concentrate primarily on external communications. After all, electronically speaking, cars and other vehicles aren't just networks on wheels -- they're networks of networks. The networks' signal buses on the more



advanced cars carry drive-by-wire control signals from the pedals and steering wheels to the engine, transmission, and other systems. Other networks keep these systems in touch with one another and with the vehicle's computer control. Additional networks carry information and entertainment to the driver and the passengers. Learn more at <http://bmsmail3.ieee.org:80/u/3494/00757617>

## **\_\_ Welcome to the World of K–12 Engineering!**

Introducing engineering into the K–12 classroom connects science and math concepts to the everyday engineering that surrounds us. TeachEngineering.com helps teachers enhance learning, excite students and stimulate interest in science and math through the use of hands–on engineering. With a fully searchable, digital library of standards–based lesson plans, and a myriad of “Living Laboratories” that bring real–world engineering principles into the classroom, TeachEngineering's comprehensive curricula are hands–on, inexpensive, and relevant to children's daily lives.

TeachEngineering.com is a joint effort of the University of Colorado, Worcester Polytechnic Institute, Colorado School of Mines, Duke University, Oregon State University, and the American Society for Engineering Education, and is funded in part by the National Science Foundation.

Bring the world of engineering into the K–12 classroom with TeachEngineering.com. You don't need knowledge of engineering to use these curricula!

Search TeachEngineering.com's digital library at [www.teachengineering.com](http://www.teachengineering.com).

## **\_\_ Nominations for IEEE Awards**

### **Recognizing Outstanding IEEE Volunteers**

You can help recognize the efforts of outstanding volunteers by nominating someone for one of the prestigious Regional Activities Board (RAB) awards. Each prestigious award has a unique mission and criteria, and offers the opportunity to honor distinguished colleagues, inspiring teachers and corporate leaders.

Do you know someone who has made substantial Regional contributions through innovative projects, exemplary leadership, service, or by fulfilling the goals as related to Transnational Activities? Consider nominating them for one of the following awards:

- \* RAB Achievement Award
- \* RAB GOLD (Graduates of the Last Decade) Achievement Award
- \* RAB Innovation Award
- \* RAB Leadership Award
- \* RAB Larry K. Wilson Transnational Award

The deadline for nominations is 15 October 2006. More information and nomination forms are available at the RAB Awards Website: <http://www.ieee.org/rabawards>. Questions can be sent to [ra-admin@ieee.org](mailto:ra-admin@ieee.org).

#### **Awarding Non-IEEE Entities That Support IEEE Units**

The Friend of IEEE Regional Activities Award was created specifically to recognize support provided to the IEEE and its members in support of its goals by firms, divisions of firms or individuals. The award is a plaque or certificate for the recipient. Nominations may be submitted at any time during the year. The link for the nomination form is available at the RAB Awards Website: <http://www.ieee.org/rabawards>. Questions can be sent to [ra-admin@ieee.org](mailto:ra-admin@ieee.org).

#### **Call For Nominations, IEEE-SA Standards Board and Committees:**

The Nominations and Appointments Committee (N&A) of the IEEE-SA Board of Governors is soliciting the names of candidates to serve on the 2007 IEEE-SA Standards Board and its Standing Committees. The IEEE-SA Standards Board is responsible for:

- a) Encouraging and coordinating the development of IEEE standards.
- b) Reviewing all proposed IEEE standards to determine whether the proposed standards conform to the requirements established by the IEEE-SA Standards Board and whether consensus has been achieved for approval of the approved standards.

If you would like to be considered for the 2007 IEEE-SA Standards Board or one of its standing committees, please note the rules that apply to any potential candidate, and forward a brief, one page bio and contact information to Rona Gertz at the address provided.

THE DEADLINE TO RESPOND IS 30 JUNE 2006

The slate of candidates will be forwarded to the IEEE-SA Board of Governors Nominations and Appointments Committee for their review by October 2006, with a final decision to be made at their December 2006 meeting. The rules and description for these IEEE-SA Standards Board Positions can be found at the following website: <<http://standards.ieee.org/board/positiondes.html>>. Review the Position Description in light of the basic functions, specific responsibilities, and accountabilities that this position requires. If you have any questions, CONTACT Rona Gertz - IEEE Standards - "[MailTo:r.gertz@ieee.org](mailto:r.gertz@ieee.org)".

## **IEEE Teams with IBM to Launch TRYENGINEERING.ORG**

IEEE and IBM have collaborated to launch a new website that combines interactive activities with information on careers in engineering. TryEngineering.org is designed to educate a variety of audiences about the different engineering disciplines and the impact engineers have on society. Targeted toward teachers, school counselors, parents and students, TryEngineering.org lets site visitors explore how to prepare for an engineering career, ask designated experts engineer-related questions and play interactive games. Tools for teachers include lesson plans and engineering projects as well as a list of student competitions and science and engineering-oriented summer camps.

The site will be launched on 5 June with a searchable list of accredited engineering programs in the U.S. and Canada, and will be expanded to include programs in other English-speaking countries as well as Germany and France. For more information contact Doug Gorham, Educational Activities, at [d.g.gorham@ieee.org](mailto:d.g.gorham@ieee.org) or +1 732 562 5483 or Allison Ickowicz at [a.m.ickowicz@ieee.org](mailto:a.m.ickowicz@ieee.org) or +1 732 562 5496.

## **Is Digital Copyright Legislation Going Too Far?**

Tinkerers and electronic consumers beware. Legislation involving new electronic recording devices and digital, audio, or video playback technology severely compromise electronics industry innovation. According to IEEE Spectrum's Tekla Perry, "The Digital Millennium Copyright Act was the first federal law passed that directly attacks the fair use rights of consumers and product developers. But more such laws are in the pipeline." Tune into IEEE Spectrum Online's exclusive radio report at <http://bmsmail3.ieee.org:80/u/3497/00757617>

**Call for IEEE Mentors!**

**Call for IEEE Mentors.**

Opening 14 July 2006, IEEE is offering its members the opportunity to participate in an online program which will facilitate the matching of IEEE members for the purpose of establishing a mentoring partnership. By volunteering as a mentor, individuals use their career and life experiences to help other IEEE members in their professional development. As a mentee, you lead your partnership by selecting your mentoring partner from among those who have volunteered to serve in this capacity. We ask that you review the time and effort commitment to the program to ensure a successful mentoring partnership.

Presently, IEEE is offering potential Mentors, like you, the opportunity to enter the program first. IEEE has partnered with The Training Connection, a vendor that has developed a web-based mentoring program to facilitate the matching process. Participation in the program is voluntary and open to all IEEE members above the grade of Student Member.

If you are interested, please go to <http://www.ieee.org/mentoring> for information on the roles and responsibilities of each mentoring partner, the program, as well as additional information on time and effort commitments. To access the online program site visit the IEEE Membership Benefits page listed under Core Benefits "New for 2006" at <http://www.ieee.org/web/membership/benefits/index.html>. This will then take you to the online mentoring program site. We encourage you to take advantage of the IEEE network of technical professionals and sign up for the online mentoring program today.

*Editor's Note - I know mentoring has made a big difference in my career, and because of that, I mentor others - please consider sharing your expertise and experience with others!*

If you have any questions, please contact Cathy Downer, IEEE Mentoring Program Coordinator, at [c.downer@ieee.org](mailto:c.downer@ieee.org)

**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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