

IEEE Central Texas Section

ANALOG NEWSLETTER

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September 2006

Newsletter of the
Central Texas Section
of the Institute of
Electrical and
Electronic Engineers,
Inc.

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- IEEE Emerging Technologies Conference 2006

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](#)

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calendar](#)

4. Local Conferences

IEEE Emerging Technologies Conference (ETC 2006) will be held in Richardson, TX on Sept 15, 2006.

2006 Intl Symposium on Advanced Gate Stack Technology will be held 27-29 Sept at the Austin Omni. Conference website: <http://www.sematech.org/meetings/announcements/7865/>

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/soc/cas/dallas/wks2006>

- 2006 IEEE Intl Symposium of Advanced Gate Stack Technology
- IEEE Dallas Circuits and Systems Workshop
- 2006 Reliability of Compound Semiconductors Workshop
- 2006 IEEE Intl Workshop on Microprocessor Test and Verification
- IEEE 2007 Workshop on Applications of Computer Vision, Visual Motion, and Evaluation of Tracking Systems
- IEEE Intl Conference on RFID 2007
- IEEE Intl Conference on Image Processing 2007

5. [Presentations of Interest](#)

2006 Reliability of Compound Semiconductors

Workshop will be held 12 Nov at the Marriott Riverwalk in San Antonio. Conference website: <http://www.jedec.org/home/gaas>.

2006 IEEE Intl Workshop on Microprocessor Test and Verification will be held 3-5 Dec at the Hyatt Town Lake in Austin. Conference website: <http://mtv.ece.ucsb.edu/MTV/>

IEEE 2007 Workshop on Applications of Computer Vision, Visual Motion, and Evaluation of Tracking Systems will be held 20-23 Feb in Austin. No website, but the conference organizer is listed as JK Aggarwal at aggarwaljk@mail.utexas.edu.

IEEE Intl Conference on Radio Frequency Identification Technologies (RFID) 2007. March 28-29 2007 in Grapevine, TX. Papers are due 17 Nov and Panel submissions are due 15 Dec. Conference website: www.ieee-rfid.org/2007

IEEE Intl Conference on Image Processing 2007 will be held Sept 16-19 in San Antonio. The Call for Papers should be out soon.

1. Section Activities

Chairman's Column

Central Texas Section fall planning meeting was conducted on August 5, 2006. Attendance at the meeting was good and presentations from the meeting will be posted on the CTS website.

Several major milestones have passed since the meeting. Of great significance, the Section has received its annual rebate which provides a major portion of the operating budget for the year.

A quorum of the exComm has completed the vote and Section will fund student branch activities for the fall. All four of the CTS Student Branches made presentations at the fall planning meeting reporting on their activities and future plans. These organizations are the engineer's first exposure to IEEE and are the future of the CTS membership.

CTS conducted a very successful fall Senior Member event on August 10 in Austin at St. Edwards. Watch the website for a winter event to be held in San Antonio. These events are a great opportunity to upgrade your membership and get recognition in the workplace from IEEE for your professional accomplishments.

Looking forward, the academic year has started and chapter meetings will be back in full swing. Be sure to consult the Central Texas Section Website, 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

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) 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!

New Senior Members

Please congratulate the following people when you see them next on their recent upgrade to Senior Member: Lorraine Herger (WiE), Vijayan Manikyan (Power) and Kevin Nowka (Solid State Circuits).

[Back to Content](#)**5. Presentations of Interest**[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.

Call for Volunteers

IEEE is divided, worldwide, into 10 regions, and Region 5 (our region) has 14 different states (but not all of all of them). If you want to participate on the Regional level, Region 5 leadership has openings for volunteers. This is the best way to learn how IEEE operates, and to get involved. If you are interested in volunteering, please contact our Region 5 Director, Bob Scolli at r.scolli@ieee.org. The next R5 meeting is the first week of October in Rapid City SD, so now would be a good time to start!

Continuing Education

The **Bexar County Chapter of TSPE** will be offering an **ethics** seminar the meets the PE requirements. This seminar will be downtown at the Villita Assembly Building (City Public Service) on October 2. Registration will be at 11-11:45, the TSPE business meeting will be from 11:45-12, and the seminar will run from 12-1pm. You must RSVP by 22 Sept to [Allen Dunn](#) or 210-372-1315. TSPE members \$20/non-members \$40.

Power Quality Solutions and Systems Integration Continuing Education Seminar will be offered by HoltCat in San Antonio on October 24. The topics include Generator Sizing, Uninterruptible Power Supplies, Switchgear Technology and Systems Integration, and Emission Regulations and their Impact on Design. More details can be found at their website: <http://www.holtcat.com/poweseminar>.

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

Upcoming opportunities include:

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

Student Branches

Our section's four student branches prepared proposals for section grants to assist their 2006-2007 programs, followed by presentations at the section's fall planning meeting. A common theme was to continue attracting and engaging students through meetings, regional competitions, and conference attendance. The presentations were excellent and thoughtful. It looks like a great year for CTS IEEE students.

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

Faculty Advisor: Djaffer Ibaroudene, Email: dibaroudene@stmarytx.edu

Branch President: Joshua Cavazos , email: jcavazos1@stmarytx.edu

Trinity University - San Antonio

Faculty Advisor: Farzan Aminian, Email: farzan@engr.trinity.edu

Branch President: Will Johnson, email: William.johnson@trinity.edu

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

Faculty Advisor: Sriram Vishwanath, email: sriram@ece.utexas.edu

Branch chair: Rossen Tzartzev, email: chair@ieee.utexas.edu

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

Faculty Advisor: Yufang Jin, Email: Yufang.Jin@utsa.edu

Branch chair: Nickolas Grady, gradyn@hotmail.com

Back to Contents**2. Chapter Activities**

Russ Harrison and Erica Wissolik from IEEE USA Government Affairs staff will be discussing the role of engineers in politics at both the the Federal and State levels. Topics to be discussed will include analysis from the Nov 7th national election, preview of the 2007 Texas legislative session, outlook for the 2007 Congressional session and prospects for

legislation affecting engineers in 2007. Russ will discuss events that other sections have successfully used to build relationships with politicians. Erica, who is a former staffer of the Texas Legislature, will be discussing ways to interact with and influence Texas legislatures. This meeting will happen on Thursday, Nov. 16 from 6-8 pm in Austin at National Instruments.

All CTS Chapter members are welcome and encouraged to attend.

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

"Ever been in a bad meeting? Better yet: ever been in a GOOD ONE?? Meetings are routinely terrible... and they're terrible EVERYWHERE, not just where you are. People arrive late, They're too looooooong, people leave early without committing, lots of folks are too busy praying the Blackberry prayer, some talk too much without saying anything. And to make it insufferable, *nothing ever gets done.*

This talk will tell you how to get out of Meeting JAIL. We'll cover the 10 easy things you can do in your next meeting to make it so effective *people will want to come to your meetings.* If you doubt us, come listen."

Joint Circuits and Systems/Solid-State Circuits

Topic or Presentation Title:

Speaker:

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

Cost:

Reservations:

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

For further information, contact Mike Seningen at seningen@ieee.org or Carol Jens at c.jens@ieee.org.

Computer Society - Austin [for more information]

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

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

Topic or Presentation Title: LEMUR, the Limbed Excursion Mechanical Utility Robot

Speaker: Dr Kevin Nickels

Date and Time: Thursday, September 21, 2006

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

Cost: \$10 members, \$13 non-members, and \$2 students

Reservations: Email [Yu Zhang](mailto:Yu.Zhang) by 18 Sept.

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 for the parking by Laurie Auditorium.

Abstract: One of the robots under development at the NASAs Jet Propulsion Laboratory (JPL) is the Limbed Excursion Mechanical Utility Robot, or LEMUR. Several of the tasks slated for this robot require computer vision, as a system, to interface with the other systems in the robot, such as walking, body pose adjustment, and manipulation. This talk will describe the vision algorithms used in several tasks, as well as the vision-guided manipulation algorithms developed to mitigate mismatches between the vision system and the limbs used for manipulation. Two system-level tasks will be described, one involving a two meter walk culminating in a bolt-fastening task and one involving a vision-guided alignment ending with the robot mating with a docking station.

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

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

Topic: Security/Hacker Conferences

Speaker: Joe Barr

Date and Time: Thursday, September 28, 2006 (NEW Regular date)

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

Cost: Free. Supper is at optional extra cost

Reservations: Not required

Meeting Location: China Star Restaurant, 6134 Hwy 290 E, Austin TX

Directions: Westbound access road of 290E, just east of IH 35

Two very different recent conferences on this subject are the *Blackhat Briefings* and *DEFCON 14*

Speaker: Joe Barr <jbarr@vasoftware.com>

Joe Barr has been a software author for two decades, and a programmer for three.

He is an editor at the Open Software Technology Group (ostg.com), with articles appearing currently in NewsForge.com and Linux.com

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

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.

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

Topic or Presentation Title:

Speaker:

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

Cost:

Reservations: Please RSVP .

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.

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

Topic or Presentation Title: Introduction to Tissue Engineering

Speaker: Rena Bizios, Professor, Biomedical Engineering

Date and Time: Wed, September 20, 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: Loeffler Room on the UTSA Campus (BSB 3.03.02)

Directions: From I-10, take the UTSA Blvd exit, and head west. Turn at the traffic light onto the UTSA campus, and take the 2nd right into a large parking lot. The Loeffler Room is the top floor of the ROUND building almost directly ahead of you.

Future presentations:

Oct 18: Dr Charles Patrick

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

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

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

Reservations: Leslie Martinich, lmartinich@ieee.org

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For other information about the Engineering Management Society activities, see the the web site: 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) (512-423-5121).

Graduates of the Last Decade (GOLD)

Topic or Presentation Title:

Speaker:

Date and Time:

Cost:

Reservations: Kristi Hummel, khummel@ieee.org

Meeting Location:

Directions:

Laser and Electro Optics Society

Topic or Presentation Title:

Speaker:

Date and Time:

Cost:

Reservations:

Meeting Location:

Directions:

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

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

Topic or Presentation Title: Anatomy of an Accident: How Lack of Documentation Will Cause Problems

Speaker: James Mercer, PE, TXDOT.

Date and Time: Tuesday, September 26

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](mailto: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:

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: Current Trends in the Power Quality Market

Speaker: Chuck Barry, Toshiba International Corp.

Date and Time: Thursday, September 28

6:00pm Social
6:30-7:00 Dinner
7:00-7:30 Business Meeting
7:30-8:30 Program

Cost: \$13 with RSVP (cash only, no checks or credit cards)
\$15 at the door
Free for students

Reservations: Please contact Steven Mouser @ 210-658-7250 or s.mouser@ieee.org

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

Meeting Location: Blue Star Brewery, 1414 South Alamo Street, San Antonio, TX 78210-1117, 210-212-5506

Directions: Available on our website.

Exciting 2006 Schedule:

Oct 26 - TBD

Nov - Tour

Dec - no meeting - Merry Christmas

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

Topic or Presentation Title: A Review of the Underwriter's Laboratories Amusement and Gaming Machines Standard - UL22

Speaker: David Ball of Multimedia Games, Inc.

Date and Time: Tuesday, September 19, 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:

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).

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

Topic or Presentation Title: Network Neutrality: Altruism or Capitalism

Speaker: panel representing telecommunication networks, entrepreneurs, content providers, and ISP

Date and Time: Thursday, Sept 21, 2006 at 7pm

Cost: Free

Reservations: RSVP to Steve Crowl steven@stedwards.edu

Meeting Location(NEW): For this meeting only: St. Edwards University, 3001 S. Congress Ave, 78704 Jones Auditorium in Ragsdale Center. Campus Map: <http://www.stedwards.edu/map/campmap.htm>

Directions:

http://maps.yahoo.com/maps_result?addr=3001+S+congress&csz=78704&country=us&new=1&name=&qty=

Abstract: Net Neutrality concerns network provider's potential to prioritize certain types of traffic, such as Voice Over IP and online gaming, over that of from large content providers. Opponents contend this is not in the spirit of the Internet where all services should be managed equally. A panel representing content providers, Internet Service Providers, telecommunications companies, and entrepreneurs will explore the impacts of the two major legislative proposals for Net Neutrality.

Panelists: TBA

Upcoming Meetings:

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

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

Topic or Presentation Title: WIE Social/Networking including a Martial Arts demonstration

Speaker:

Date and Time: Saturday, Sept 16, 2-4pm

Cost: N/C

Reservations: Please RSVP to Cheryl Tulkoff at cheryl.tulkoff@ni.com

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

Topic or Presentation Title: Panel on Accessibility and Technology

Speaker: Jim Allen, Texas School for the Blind; Sharron Rush, Knowbility; Mike Squillace, IBM; Thea Eaton, Snert Studios

Date and Time: Wednesday, Sept 20 at 6:30

Cost: N/C

Reservations:

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

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

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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 information including abstract, bios of the speakers and directions to National Instruments are on the WIE website at <http://www.austin-wie.org>.

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 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. 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 LAUNCHES INTERNET TELEVISION

On 15 August, IEEE is launching the Beta release of IEEE.tv – an internet-based broadcasting network that will produce and deliver prerecorded, special-interest programming for engineers and technologists. A collaborative effort of IEEE volunteers, members and staff across the organization, the new service will initially be available only to members only through the myIEEE web portal, (www.ieee.org/myieee). It will expand to provide select content intended for the general public starting in September.

IEEE.tv will feature original IEEE-produced content within a viewer that may in the future serve as a carrier for non-IEEE productions. Series include IEEE conference highlights, interviews with authors who publish books with IEEE, IEEE president-elect candidate debates, and introductions to new IEEE products. In September, general interest programs including those promoting careers in engineering and demonstrating new technology in everyday applications will be available to anyone who visits www.ieee.org/ieeety. Individuals with questions can contact tv@ieee.org.

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>.

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.

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Search TeachEngineering.com's digital library at www.teachengineering.com.

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 or +1 732 562 5483 or Allison Ickowicz at 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!

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.

If you have any questions, please contact Cathy Downer, IEEE Mentoring Program Coordinator, at 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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