IEEE Central Texas Section

ANALOG NEWSLETTER

Volume 50-10   **October 2006**

Newsletter of the
<u>Central Texas Section</u>
of the Institute of
Electrical and
Electronic
Engineers, Inc.

Central Texas Section
Webpage

Central Texas Section
calendar

- Product Safety Engineering Society
- Joint Signal Processing/Communications Society
- Women in Engineering
- Editor's Notes

3. IEEE Info

- IEEE Launches Internet Television
- IEEE-USA Offers Resources to Assist Tech-Based Entrepreneurs
- Who is Archibald Putt? The Technocrat's Mystique Continues
- Ready to Learn With Online Tutorials
- Welcome to the World of K-12 Engineering
- IEEE Teams with IBM to Launch TRYENGINEERING.ORG
- Is Digital Copyright Legislation Going Too Far?
- Call for IEEE Mentors
- Member Portal

4. Local Conferences

- Leading Insight, Dallas
- IEEE Dallas Circuits and Systems Workshop
- 2006 Reliability of Compound Semiconductors Workshop
- Call for Papers - 2007 Region 5 Conference, Fayetteville, AR
- 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

1. Section Activities

Chairman's Column

---

4. Local Conferences

Leading Insight, a worldwide application workshop focused on design of high performance components, circuits, and systems will be held in Dallas on October 17, 2006. Website.

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 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

IEEE Elections must be submitted by 12 Noon CDT on November 1, 2006. They can be mailed or submitted electronically at www.directvote.net/ieee/. There are six offices contested and Joe Lillie from Region 5 is running for 2007 president elect for IEEE USA and asks for your vote. Please be sure to make your vote count.

IEEE is making membership recruitment a priority. Please encourage your peers to join the IEEE and let me know about recruitment opportunities so that we can keep our professional society vibrant. I have recruitment kit materials to help.

One such opportunity will be to participate in the TISP, Teacher In-Service Professional Development, training workshop in Dallas, TX. IEEE Educational Activities Department will be hosting a workshop to organize volunteers and teach IEEE members to present technologically oriented subject matter to educators in local school districts. This program has been presented to 674 pre-university educators since 2001 in the USA and Africa. Educators have reached more than 70,000 students.

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

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 can be found on the conference website.

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

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!

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 Adivsor: 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

Calls for Volunteers

Editors note: I oftentimes get asked for engineers to get involved with their community, so I've created a consistent place for you to read about these opportunities. If you need volunteers, please send me the details, or if you want to get involved, please do so, and let us know about your success stories. Engineers don't have a glamorous reputation as being cool and having fun, but that's NOT the truth! - or at least sometimes... *smile*

TISP

As an engineer, are you interested in working with your local pre-university schools, school districts or teachers? Do you want to help improve the level of technological literacy of teachers and their students in

teachers. Do you want to help improve the level of technological literacy of teachers and their students in your community? Then you should attend IEEE's upcoming Teacher In-Service Program (TISP) Training Workshop in the Dallas area! We are currently formulating plans to train engineers to present to teachers in the late July or early August timeframe, so keep an eye and an ear out for it!

Started in 2001, TISP features IEEE volunteers developing and presenting technologically oriented subject matter to educators in a professional development (or "in-service") setting. In the last four years, IEEE volunteers have made more than 35 presentations to over 675 pre-university educators within the United States and South Africa – these educators reach more than 70,000 students.

Now you can be a TISP champion! The IEEE Educational Activities Department will be hosting a TISP Training Workshop for Region 5 volunteers in the Dallas area at a date and place to be announced soon.

The workshop will cover how to organize volunteers for TISP and how to bring the program to your local school districts. We are pleased and excited that Dallas has been selected to host the training event, and hope that you as a Section Leader will encourage your local members to participate!

Stay tuned as plans are firmed up, and do get the word out! - Contact Clif Denny if interested.

ABET

IEEE SEEKS PROGRAM EVALUATORS FOR ACCREDITING ENGINEERING & ENGINEERING TECHNOLOGY PROGRAMS AT US UNIVERSITIES: The IEEE, the largest member of ABET, Inc. (formerly known as the Accreditation Board for Engineering and Technology), is responsible for the peer-review evaluation of more than 700 university programs in the IEEE fields of interest. IEEE's involvement in the peer-review evaluation is vital to ensuring the continuing quality brought forth after graduation into the engineering and engineering technology professions. To aid IEEE and ABET in this accreditation role, the IEEE Educational Activities Board is seeking engineering professionals from industry, government and academe to serve as program evaluators. **Applications for the 2007 - 2008 academic year** will be accepted through 15 November 2006.

Aside from the professional and public good that evaluators perform, another benefit of being a program evaluator includes the opportunity to keep in touch with changing engineering and technology teaching methods. Program evaluators are also able to meet those who will be soon enter the profession, as well as learn how to conduct an objective evaluation of the educational process using established criteria which can be helpful for those interested in training related to continuous improvement procedures. Selected applicants will attend a training seminar on the IEEE/ABET accreditation process. After training, program evaluators are

will attend a training seminar on the IEEE/ABET accreditation process. After training, program evaluators are dispatched in teams to visit engineering and engineering technology departments at universities across the country on behalf of the IEEE and ABET. Evaluation sessions are held during the fall and usually run two to three days.

Information packages, including the application and nomination forms, are available at:
http://www.ieee.org/web/education/apc/ceaa/eacinfo.html for engineering programs and
http://www.ieee.org/web/education/apc/ctaa/tacinfo.html for engineering technology programs.
For more information, contact "MailTo:eab-accred@ieee.org".

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 loooooong, 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:
Cost:
Reservations:
Meeting Location:

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

"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."

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

Exciting Fall Schedule:
Nov 8: "Thinking in Sets", Joe Celko, database guru, columnist, author

---

Computer Society - San Antonio *[for more information]*

Topic or Presentation Title: Dedicated Internet Server Housing
Speaker: Thomas Weeks, Lead Sys. Engineer, The Managed Hosting Specialist(TM), Rackspace Managed Hosting http://www.rackspace.com/ .
Date and Time: Thursday, October 19, 2006
           6:30 p.m. - Networking; 7:00 p.m. - Dinner; 7:20-7:45 p.m. - Short student presentations
Cost: Free - please RSVP so we have a good headcount! Hosted by Rackspace Management
Reservations: Email Yu Zhang by 16 October (210) 999-7399
Meeting Location (New location): Rackspace Managed Hosting, 9725 Datapoint Dr, San Antonio, TX 78229, San Antonio, TX.
Directions: Can be found on our website.

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

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

Topic: A "Philosophical" History of Free Software
Speaker: Paul Elliott, MA, MS, Consultant
Date and Time: Thursday, October 26, 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

Topic: A "Philosophical" History of Free Software. The presentation is sympathetic to the positions of RMS, FSF, and GNU as opposed to the OSF view. It ends with a section on the "meaning of free software history".

Speaker: Paul Elliott, MA, MS, Consultant, MA in Mathematics and MS in Computer Science, Pennsylvania State University, Member of Toastmasters International, Worked at Technology Inc, Litton Resource Systems, Keane Inc, and as an independent consultant. Developed system software, drivers, cryptography, many applications such as under OS/2, C++ and UNIX. He is a published author and a Texas lobbyist on ISP regulation

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

---

Electromagnetic Compatibility Society *[for more information]*

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

Electron Devices Society *[for more information]*

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

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

Topic or Presentation Title: Topic on Adipose Tissue
Speaker: Charles Patrick, Professor and Dept Chair, U Texas - Austin, Biomedical Engineering Department
Date and Time: Wed, October 18, 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: Loeffer 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 Loeffer Room is the top floor of the ROUND building almost directly ahead of you.

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

"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 loooooong, 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."

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

Power Engineering Society - Austin *[for more information]*
Topic or Presentation Title: Black Start: Recovery of Grid After Emergency Operations
Speaker:
Date and Time: Tuesday, October 24

Date and Time: Tuesday, October 24
    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:

Exciting 2006 Schedule:
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: To be determined
Speaker: CPS Energy.
Date and Time: Thursday, October 26
    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:
Nov - Tour

Dec - no meeting - Merry Christmas

Product Safety Engineering Society [for more information]

Topic or Presentation Title: Equipment Safety in Hazardous Locations
Speaker: Jim Dolphin
Date and Time: Tuesday, October 17, 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:
December 5: *Hazardous Voltage Primer,* Dave Lohbeck, National Instruments.

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: Small Business Innovation
Speaker: Fred Patterson, The Commercialization Funding Coach (http://www.cfcoach.com/)
Date and Time: Thursday, October 19, 2006 at 7pm
Cost: Free, sandwiches and soft drinks will be served
Reservations: RSVP to Steve Crowl stevenc@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

Abstract: The Small Business Innovation Research Program is the application of the creative, innovative

Abstract: The Small Business Innovation Research Program is the application of the creative, innovative, and entrepreneurial spirit of small businesses to solving technological problems faced by agencies of the Federal Government. Each year, Federal agencies who spent over $100 million on externally funded R&D for providing, under the protective legislation of the SBIR Act, the funding of small business technology development from design to prototype to commercialization. Come and learn about the program, application process and how to get your funding for your start-up idea.

Speaker' Bio: Fred Patterson, the Commercialization Funding Coach was a co-founder and executive officer of two of Texas' most successful SBIR award winning companies [Systems & Processes Engineering Corporation (SPEC) and Radiant Photonics (formerly known as Radiant Research)], he has been involved in the execution of over 150 SBIR contracts, one third of those Phase II programs. Add his experience as The SBIR Coach with guiding small business clients to SBIR success using his proprietary SBIR Playbook, and the total of winning proposals he has had a hand in, is over 200. His Phase I "batting average" is over .300 (double the national average of .150); his Phase II "slugging percentage" is over .800 (again double the national average); and he has helped raise over $25 million in Phase III funding in an environment where fewer than 5% of SBIR awardees ever do any commercialization at all.

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

"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 loooooong, 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."

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'.

Back to Contents

---

3. IEEE Info

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

IEEE Member Benefits

IEEE Member Benefit:

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

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

IEEE-USA NEWS & VIEWS : IEEE Career-Building Resources: *BOOKMARK THIS SITE*: For career-building resources, including articles and product and service notices, visit IEEE-USA's CAREER NAVIGATOR at: http://ieeeusa.org/careers/. IEEE XELL [a.k.a. Expert Now IEEE] GAINS SOCIETIES' SUPPORT

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/ieeetv. 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

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.

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.

Back to Contents