

IEEE Central Texas Section

ANALOG NEWSLETTER

Volume 50-07

July 2006

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

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Published monthly
(Deadline for inclusion
is the 25th day of the
previous month).
Dawn Roberson,
Editor,
(robersondj@ieee.org).
Have a question or
comment? [Contact us](#).

[Central Texas Section
Webpage](#)

[Central Texas Section
calendar](#)

4. Local Conferences

**7th Annual IEEE-UT
EMC 2006: The Role
of Technology in our
Economy.** August 10-
11. Conference
website: 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>.

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4. [Local Conferences](#)

- [7th Annual IEEE-UT EMC 2006: The Role of Technology in our Economy](#)
- [IEEE Int'l Systems-on-Chip \(SOC\) Conference](#)

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>

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5. Presentations of Interest

Fire Protection

Seminar, July 18, 8:30-4:30, Round Rock - no website, contact Texas Fire Alarm Association at: seminar@tfaa.com

[IEEE Activities and Links](#)

[Your IEEE](#)

[Calls for Papers](#)

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[What's New at IEEE](#)

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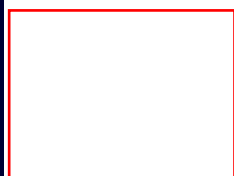
[Association](#)

[About the IEEE](#)

[The Spectrum](#)

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To contribute information to this electronic newsletter, please send it by e-mail to robersondj@ieee.org.



5. [Presentations of Interest](#)

1. Section Activities

Chairman's Column

The Central Texas Section Fall Planning meeting is coming up on August 5, 2006. This is the time to share information about plans for the fall. Each of the ExComm members will be asked to make their report, and we will hear from each of the Student Branches about fall funding.

The meeting will again be held in San Marcos at the Quality Inn. I will be sending invitations out to all of the Chapter Chairs. The 2005 reports are on the Section web page under Section/Chapter contracts, http://ewh.ieee.org/r5/central_texas/aboutus.html. The rules for Student Chapter funding are located at the very bottom of the page.

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
210.456.3919

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.

Upgrading to Senior Member is not a trivial process. Joe Redfield has worked for the CTS tirelessly over the many years to work Senior Member upgrades. His work has gotten CTS numerous accolades for having significantly high numbers of members doing the upgrades. Way to go Joe!

In that light, plan on a late summer/early Fall Senior Member upgrade event in Austin, and a mid-Fall one in San Antonio - contact [Joe Redfield](#) for more details.

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 for more information.

Upcoming opportunities include:

[IEEE-UT's 7th 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. 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.

Student Branches

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

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

Trinity University - San Antonio

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

Branch President: Brandi House, email: 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

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

Topic or Presentation Title:

Speaker:

Date and Time:

Cost:

Reservations:

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

Directions:

Subsequent meetings will be held the 2nd Tuesday of every month at 6:30pm at Pok-e-Jos.

For further information, contact Mike Seningen at seningen@ieee.org

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

Topic or Presentation Title: Summer break - back in July!

Speakers:

Date and Time: Wednesday, July, 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](#)

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: 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 for the parking by Laurie Auditorium.

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

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

Topic or Presentation Title: "Technology without Wall Street"

Speaker: John Griessen

Date and Time: Thursday, July 13, 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: Technology Without Wall Street

* Business startup (No Initial Public Offering)

* Networking, selling and other life skills

* Tactics for setting up a lab

* Niche market

* Products to target remote living people, ranchers, farmers, lighting fixture customers and scientific researchers. Find out how they are related.

Speaker: John Griessen <john_g@cibolo.com>

BSEE University of Texas at Austin

Welex - Oil well logging

SBRC Hughes Aircraft Division, Santa Barbara - Systems engineering

Tensleep Design - Fabless chip design

Entrepreneur - Come learn about survival

The Consultants web directory is to be found at <http://www.alesu.com/xltrap/ieecons/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: Bruce White, Freescale Semiconductor Nanotechnology

Date and Time: Thursday, July 27 at 6pm

Cost:

Reservations:

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

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

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.

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

Topic or Presentation Title: ""

Speaker: Sn

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

Cost: \$15 at the door, includes dinner

Reservations: Leslie Martinich, lmartinich@ieee.org

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

UPCOMING CONFERENCE!!

Join us for the 7th 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/

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: Engineering Ethics

Speaker: James Wesley Smith, PE, Engineering Specialist, TBPE.

Date and Time: Tuesday, June 25

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:

Exciting 2006 Schedule:

August 22: *LCRA River Monitoring System*

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*

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

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

Topic or Presentation Title:

Speaker:

Date and Time: Thursday, July 27

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

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:

Aug 24 - *South Padre Island Bridge Collapse Detection System*, James Mercier, PE, TXDOT

Sept 28 - Chuck Barry, Toshiba

Oct 26 - TBD

Nov - Tour

Dec - no meeting - Merry Christmas

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

Topic or Presentation Title: *Movie Night* at Alamo Drafthouse

Speaker:

Date and Time: Tuesday, July 18, 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:

August 15: *Job Resources in the Austin/Central Texas Area*, Kathy Lansford, Texas Workforce Commission

September 19: *A Review of the Underwriter's Laboratories Amusement and Gaming Machines Standard - UL22*, 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).

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

Topic or Presentation Title: "Anechoic Chamber Design, Rectangular Antenna Ranges "

Speaker: Vicente Rodriguez, Ph.D., Sr. Principal Antenna Engineer, ETS-Lindgren

Date and Time: Wednesday, July 19 at 7p , Networking at 6:30 pm, Business and program from 7:00 pm to 8:30 pm

Cost: Free

Reservations: E-mail to **Steve Crowl** [stevenc@admin.stedwards.edu]

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

Directions: AT&T Labs is located at 9505 Arboretum Blvd. in Austin, TX. Location is in Northwest Austin approximately 1/8 mile West of Loop 360.

http://maps.yahoo.com/maps_result?newFL=Use+Address+Below&addr=9505+arboretum+blvd&csz=78759&.intl=us&name=&lat=&lon=&srctype=a&qty=&new=1&trf=0&getmap=Get+Map

Abstract: With the growth of wireless communications more and more commercial companies find themselves having to measure the performance of the antennas that they use in their designs. this presentation starts with background information on antennas and RF absorber. a survey of antenna pattern measurement ranges is presented concentrating on rectangular direct illumination chambers. Finally a case study is introduced to bring together all the information.

Biography: Vicente Rodriguez is Sr. Principal Antenna Engineer with ETS-Lindgren in charge of the development of new antennas for different applications and on improving the existing antenna line. Among the antennas developed by Dr. Rodriguez are new broadband double and quad-ridged guide horns with single lobe pattern and high field generator horns for the automotive industry.

Future meetings:

Aug 24 - *Network Vulnerabilities*, Doug Landoll, CISSP, CISA En Pointe Technologies

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

Topic or Presentation Title:

Speaker:

Date and Time:

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.

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.

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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>

Try EXPERT NOW IEEE For Free, Plus Earn CEUs

Expert Now IEEE is a new, innovative product which features the best of IEEE's educational content delivered in one-hour long interactive online learning courses. It contains the latest information on emerging technologies and seminal works presented at the best of IEEE's conference tutorials, short courses and workshops. The courses are modularized to enhance rapid, self-paced learning and are developed by recognized experts in their fields as well as peer reviewed to ensure quality. Delivered right to your desktop, the highly-engaging instructional design includes assessments, audio and video files, diagrams, animations, and automatic place marking. Expert Now IEEE helps you:

- * Stay current in your field as well as emerging technologies
- * Maintain your license or certifications by earning Continuing Education Units (CEUs)
- * Learn from recognized experts without having to travel

The free trial is open to anyone who has an IEEE web account and is available from now through September. The three courses offered during the free trial period are:

- * "Real-Time Computer Systems"
- * "Transition to Management"
- * "Introduction to Wireless Ad-hoc Networks"

Only full grade members will be able to purchase these courses when they are made available for sale later this year via Xplore. To experience what Expert Now IEEE can do for you visit

<http://www.ieee.org/web/education/secure/Expert_Now_IEEE/trials.html>. For additional information on Expert Now IEEE, contact Marilyn Catis - telephone +1 732 562 5323; "[MailTo:mg.catis@ieee.org](mailto:mg.catis@ieee.org)".

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.

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.

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:](mailto:mg.catis@ieee.org)

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 or +1 732 562 5483 or Allison Ickowicz at a.m.ickowicz@ieee.org or +1 732 562 5496.

IEEE Virtual Museum chosen as Education Aid for San Antonio Students

The San Antonio Independent School District (SAISD) has chosen excerpts from exhibits in the IEEE Virtual Museum to supplement a tutoring program serving over 750 students who are children of migrant workers. The exhibits will be burned onto CDs, which teachers can bring to the student's home for playback on a laptop computer. SAISD was particularly enthusiastic about the Virtual Museum material, stating, "The articles are so relevant and so dynamic," Migrant Department Coordinator Celia Boriack wrote to the History Center. "This is the kind of reading material that can open a discussion between the student and the tutor."

Check out Virtual Museum's review in Science magazine: <http://www.sciencemag.org/cgi/reprint/312/5770/29d.pdf>.

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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