

IEEE Central Texas Section

ANALOG NEWSLETTER

Volume 50-04

Apr

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

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

[Central Texas Section Webpage](#)

[Central Texas Section calendar](#)

4. Local Conferences

2006 IEEE Region 5 Technical, Professional & Student Conference will be held April 7-9 in San Antonio. The conference website is: <http://www.2006ieeer5conference.com>

Attention Students! As part of the R5 TPSC Conference, a Student Professional Awareness Conference (S-PAC) is planned - it will be Saturday, April 8 on the UTSA campus - see the 2006 R5 Conference website for details.

First Austin Conference on Integrated Systems and Circuits will be held May 15-17, 2006. Abstract submissions are due 17 Feb. The conference website is:

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www.acisc.org

2006 World Congress on Information Technology Brings Legacy to Texas. . The World Congress, which will be held in Texas May 1-5, 2006, will attract an estimated 2,000 global leaders from business, government and education to discuss IT policy, direct the future of technology, and drive social and economic development.

<http://www.wcit2006.org>

7th Annual IEEE-UT EMC 2006: The Role of Technology in our Economy. August 10-11. *Call for papers:* Abstract deadline is

extended to April 1, 2006.

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. The *Call for Papers/Workshops/Tutorials* is due

April 14. Conference website:

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

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5. Presentation of Interest

"Valero's Response to Katrina"

will be presented to a UTSA Management of Technology Class on Tuesday, May 2. The presentation would cover two aspects: one would be the technical and logistical response; the other would be their handling of their employees during and immediately after the storms hit. Valero got some very high marks for the way they looked after their employees during those disasters.

Engineers are invited to attend, but must RSVP to 458-5782 or

MOT@utsa.edu. The presentation will be at the Valero Corporate HQs. Networking begins at 5:30, and the

4. Local Conferences

- [IEEE Region 5 Technical, Professional and Student Conference](#)
- [First Austin Conference on Integrated Systems and Circuits](#)
- [World Congress on Information Technology](#)
- [7th Annual IEEE-UT EMC 2006: The Role of Technology in our Economy](#)
- [IEEE Int'l Systems-on-Chip \(SOC\) Conference](#)

5. Presentations of Interest

1. Section Activities

Chairman's Column

I would like to open my Chairmans's column with a very big THANK YOU to Officers who all completed the required reports in time to secure the Section Rel a very large part of our operating funds and very important to the funding of pro Section in 2006.

Over the weekend of March 18, Section officers met to prepare a proposed budget Chapters. The proposed budget was forwarded to the ExCom on March 21 for budget is for \$36,000 deficit spending of Section resources. By the time that the budget should be final and Section and Chapters will have funding targets with activities planned for 2006.

We are now 15 Chapters; twenty-two when you consider that there are Comput in both San Antonio and Austin in addition to the 4 student chapters. I am proud engineers. As we move forward into 2006, we need to be sure that we make our ensure the availability of financial resources for the years to come.

Finally, the Region 5 meeting will be April 7-9, 2006 in San Antonio, TX. It will be TechCon on Friday, and the Region 5 Leadership meeting and Student Activities contest, Paper Competition, and Circuit Design Competition being held at the UTSA. I would like to acknowledge the volunteers who made this meeting possible and encourage Section members to take advantage of this opportunity.

Thanks to all who have volunteered their time to make the Central Texas Section

Clif Denny
Chairman
210.456.3919

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

Chapter News

presentation at 6:15.

SA BEST, San Antonio - Boosting Engineering, Science and Technology <http://www.sabest.org> is sponsoring a trial program called **GEAR - Getting Excited About Robotics**. This program provides elementary and middle school students with an opportunity to explore science and engineering through a robotics competition that utilizes team-supplied LEGO® Mindstorms™ kits.

The 1st Annual SA BEST - GEAR Elementary and Middle School Robotics Competition will be held on Saturday, April 8, 2006, 9:00 a.m. – 4:00 p.m. at UTSA (1604 campus) in the University Center, 2nd floor. The competition is free and open to the public!

On Competition Day, 20 teams from area elementary and middle schools will compete with an autonomous device designed and built by students to perform specific tasks as dictated by a “game”. In this year’s game the students are members of a RMC (robotic mine clearing) squadron deployed in a small war torn country. The team’s mission is to oversee landmine-clearing operations in a remote region of the country and help rebuild roads and other infrastructure. Only the BEST robots and only the BEST teams will successfully accomplish the mission.

Volunteers are still needed for this event. If you would like to participate in this fun and worthwhile event contact Pam Colby at 210.872.8778 or pcolby@satx.rr.com

[IEEE Activities and Links](#)

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

The *Power Engineering Society* wants to start a San Antonio affiliate group. If contact [Rheuben Hair](#). There are meetings scheduled - see the PES section below.

The field of interest of the Education Society (<http://www.ewh.ieee.org/soc/es/>) methods, educational technology, instructional materials, history of science and professional development programs within Electrical Engineering, Computer disciplines. Oliver K. Ban (bano@us.ibm.com) has begun an effort to organize Education Society here in the Central Texas Section. If you are interested in joining Chapter, please contact Oliver at the email address above.

Professional Activities for 2006

Goals for all IEEE CTS Members

- Hold two Senior Member Upgrade events (San Antonio & Austin)
- Participate in local area college & public school function (science fairs, etc.)
- Along with chapter technical meetings, provide occasional IEEE-USA representation
- Organize a CTS Governmental Activities Committee (GAC) monitoring and reporting to IEEE-USA a volunteer to lead this effort for CTS.
- Provide feedback and recommendations to IEEE-USA policy-setting committees.
- Continue to develop grassroots rapid response capabilities
- The GAC to brief Section’s leadership on committee activities at each Plenary
- Hold monthly conference calls to coordinate committee efforts.
- Create a simple Section feed-back form.
- Add links to the CARE and Committee webpages to the Section webpage and these links to Chapter webpages.

If you have interest in any of the above areas, please contact [Scott Atkinson](#).

Conferences

The surplus funds generated by sponsoring local conferences and workshops fund the Section and all the chapters thus benefiting all the Section IEEE members as well as the chapters.

Every IEEE Central Texas Section member can assist in this effort by participating in local chapter activities as well as other community organizations. If you know whereby the Section or chapter can sponsor such an event and would like guidance contract a Section Officer. (T. Scott Atkinson, Section Conference Committee scotta@ICSIconulting.com).

Continuing Education

NEED CEUs? The University of Texas at Austin offers a wide array of continuing education opportunities geared towards Texas engineers. All of the training awards continue which Texas PEs are now required to submit for their annual renewal. We ever where you can get all required 1.5 CEUs – including 1 hour of engineering ethics www.UTclee.org for more information.

Upcoming opportunities include:

[Management of Software Project Teams \(online or onsite\)](#) • May 8 – June

[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.

[Engineering Ethics](#) • June 1, 2006
[Power Quality and Harmonics](#) • May 31 – June 2, 2006
[Fundamentals of Electric Power Systems](#) • June 5-8, 2006
[Foundations of Software Project Management \(onsite or online\)](#) • June 19
[IEEE-UT's 7th Annual Engineering Management Conference](#) • August 10
[Advanced Wastewater Pollution Control](#) • August 21-25, 2006
[Software Project Management Certificate Program \(online or onsite\)](#) • on

UT Engineering Management Master's Degree Program for Working Professionals
Applications are currently being accepted for the fall start of the Engineering Management Program. UT's special scheduling option enables professionals to maintain full-time employment while attending classes one weekend a month (8:00am - 5:00pm Friday and Saturday).
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

Multiple Chapters

Joint Section/Society Meeting hosted by WiE and EMS

Topic or Presentation Title: BlueGene/L, a Massively Parallel Supercomputer
Speaker: Paul Coteus, IBM T.J. Watson Research Center
Date and Time: Tues., Apr. 4, 2006, 6:00 pm - 8:00 pm
Cost: N/C
Reservations:
Meeting Location: National Instruments, 11500 N. MoPac, Bldg. C, Room 1S1.

Abstract: Paul Coteus leads the IBM BlueGene research team. He is a member of the BlueGene Technology. The talk will discuss the genesis of the BlueGene machine design, the most powerful computer on the planet as ranked by the "Top500" committee.

For more information including a detailed abstract and biography as well as directions, please see the WiE website at: http://ewh.ieee.org/r5/central_texas/

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

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

Computer Society - Austin [for more information]

Topic or Presentation Title: How to Leverage Yourself in the Job Market Using Behind the Recruiting Industry

Speakers: Kerry Petranek & Paul Rees, Yoh IT Technology Talent

Date and Time: Wednesday, April 19, 2006 at 6:30pm

Cost: Free

Reservations: None required

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

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

Computer Society - San Antonio [for more information](new location for this mee

Topic or Presentation Title: Annual Student Night

Speaker: Various University student groups

Date and Time: Thursday, April 20, 2006

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

Cost: Pizza - free to all

Reservations: Required by Monday, April 17 to Yu Zhang, yzhang@cs.trinity.edu

Meeting Location: **MEB322**, Moody Engineering Building, Trinity University,

Directions: Please note that we have parking instructions on the Web site. The reserved for Alamo Stadium Event parking. Please check out the instructions at 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-c>

The meeting is open to the public.

Consultants Network [for more information]

Topic or Presentation Title: Significant Reduction of System Clock EMI

Speaker: Jim Satterwhite, *Teltest Electronics Laboratories* (TELI)

Date and Time: Thursday April 13, 2006

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

Cost:

Reservations:

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

Directions:

Abstract: The system clock has long been a known major contributor to system company, has developed a unique system to significantly lower the contribution EMI. The two-part presentation will give an overview of that technology along an example product implementation and a spectrum analyzer.

Speaker Bio: Jim Satterwhite is the president and founder of *Teltest Electronics* Austin. Jim is a NARTE-certified EMC engineer, a senior Life Member of the IEEETC. He earned his BEE with High Honors from the University of Florida, University. He is a graduate of the Bell Labs Graduate Study Program. Jim has electronics R&D starting with Bell Labs, Motorola and 3M. He founded TELI for product R&D and consulting.

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

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

Topic or Presentation Title:

Speaker:

Date and Time:

Cost:

Reservations:

Meeting Location: Tipping Point Software

Directions:

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

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

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

Topic or Presentation Title:

Speaker:

Date and Time:

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](#)] - *note new d*

Topic or Presentation Title: "Raising San Antonio's Biomedical Profile"

Speaker: Ann Stevens, President of BioMedSA

Date and Time: Thursday, April 13, 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: KCI R&D Conference Center, 6203 Farinon Dr, San Anton

Directions: see our webpage for a map

Abstract: The Healthcare & Bioscience industry is clearly a dominant force in employs 15% of the local workforce with the largest payroll of any industry and of \$14 billion. Yet, San Antonio continues to be known more for tourism, the n champion Spurs. What will it take for San Antonio to be recognized for its exte assets? Enter BioMed SA, a new non-profit organization formed by Henry Cis leaders to better organize and promote San Antonio's Healthcare & Bioscience i reputation worldwide as a "City of Science and Health."

For further information, please contact Dawn Roberson, 210-458-5520, [roberso](#)

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

Joint Section/Society Meeting hosted by WiE and EMS

Topic or Presentation Title: BlueGene/L, a Massively Parallel Supercomputer

Speaker: Paul Coteus, IBM T.J. Watson Research Center

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For more information including a detailed abstract and biography as well as dire Instruments, please see the WiE website at: http://ewh.ieee.org/r5/central_texas/

For other information about the Engineering Management Society activities, see http://www.ewh.ieee.org/r5/central_texas/ems/

For information regarding chapter activities (and those wanting to volunteer), co (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:

Please send an email to Kristi Hummel khummel@ieee.org if you plan to attend

-- 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: Switch Gear

Speaker:

Date and Time: Tuesday, April 25

6:00pm Social

6:30-7:00 Dinner

7:00-7:30 Business Meeting

7:30-8:30 Program

Cost: Dinner is \$10.00 – IEEE Members

\$12.00 – Non-IEEE Members

Free for students.

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

Meeting Location: El Gallo Mexican Restaurant at 2910 S Congress

Directions:

Exciting 2006 Schedule:

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

June 27: *Reactive Power: Billing and Costs*

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

August 22: *LCRA River Monitoring System*

Sept 26: *Anatomy of an Accident: How Lack of Documentation Will Cause Problems*
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 512-477-6937

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

Topic or Presentation Title: Switch Gear

Speaker:

Speaker:

Date and Time: Thursday, April 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 skar
For more information go to our web site at <http://ewh.ieee.org/so>

Meeting Location: Spaghetti Warehouse, 1226 E. Houston (see below), San An

Directions:

Exciting 2006 Schedule:

May 25 - TBD

June 22 - TBD

July 27 - *Engineering Ethics*, CW Clark with TBPE

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

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: The New Hazard-Based Safety Engineering Standard

Speaker: Lal Bahra of Dell

Date and Time: Tuesday, April 18, 6:30pm

Cost: None

Reservations: None

Meeting Location: Dell, Parmer Campus, Parmer South Building 4, Victoria Co

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

Exciting future meetings:

May 16: *A Review of the Underwriter's Laboratories Amusement and Gaming*
David Ball of Multimedia Games, Inc.

We encourage you, others in your organization, or other interested parties to participate in the meeting. The PSES meets every month on the third Tuesday of every month at 6:00pm, except in November/December. A combined monthly meeting is held in December to allow members and guests to enjoy the Thanksgiving and Christmas holidays. For future meetings, 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: Determining Vulnerabilities in your Network

Speaker: Doug Landoll, CISSP, CISA, General Manager -Security En Pointe T

Date and Time: Thursday, April 20 at 7pm

Cost: Free

Reservations: RSVP to Steve Crowl stevenc@admin.stedwards.edu

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

Directions:

http://maps.yahoo.com/maps_result?newFL=Use+Address+Below&addr=9505

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

Topic or Presentation Title: BlueGene/L, a Massively Parallel Supercomputer

Speaker: Paul Coteus, IBM T.J. Watson Research Center

Date and Time: Tues., Apr. 4, 2006, 6:00 pm - 8:00 pm

Cost: N/C

Reservations:

Meeting Location: National Instruments, 11500 N. MoPac, Bldg. C, Room 1S1.

Abstract:

Paul Coteus leads the IBM BlueGene research team. He is a member of IBM's The talk will discuss the genesis of the BlueGene machine design, and how it is a powerful computer on the planet as ranked by the "Top500" committee.

For more information including a detailed abstract and biography as well as directions, please see the WIE website at: http://ewh.ieee.org/r5/central_texas.

Women in Engineering has been an Affinity Group of the Central Texas Section Activities have been until now, Austin-based, with programs, events and meetings in 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 a group in San Antonio and have an exciting Spring planned! We look forward to establishing a group in San Antonio and evolving to two active groups. The San Antonio group has a meeting on February 16 with the Computer Society-SA and Engineering in Medicine and Biology at the University's Skyline Room, and more fun meetings planned for the Spring.

Additional details are posted on the WIE website at http://ewh.ieee.org/r5/central_texas

Editor's Notes

The goal of this newsletter is to provide the more than 5500 members of the Section with meaningful information. We welcome contributions and suggestions that will improve the newsletter. Contact the editor, Dawn Roberson at robersondj@ieee.org if you have any thoughts. The deadline for submission is the 25th of the month.

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3. IEEE Info

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

IEEE Member Benefit:

IEEE Members access the world of technology. Search more than 1,100,000 documents. Subscribe to IEEE Society publications at low, member-only rates. Purchase papers - 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 career-building resources, including articles and product and service notices, via NAVIGATOR at: <http://ieeusa.org/careers/>. IEEE XELL [a.k.a. Expert Now I SUPPORT

Partnership Agreement Signed with THOMSON

A Courseware Development and Distribution Agreement has been signed between Thomson and IEEE to produce and distribute a collection of courses entitled Expert Now IEEE. The agreement enabled Thomson and IEEE to undertake an official product launch on November 30, 2005. The Agreement is for one year beginning on the effective date of September 30, 2005, which began in July, 2005. During this period, the Director of Continuing Education and Activities (EA) worked with Thomson to highlight the features and benefits and the process for Expert Now IEEE with Thomson regional sales teams. At this time 1 of 155 Thomson sales Account Managers and Learning Consultants has been present as a potential solution for many of Thomson's existing clients. A significant sales team has started to educate their clients about Expert Now IEEE.

Early sales negotiations have started with two corporate clients and one university. Modules have been developed by Thomson and agreed to by IEEE for institutional sales. As modules are complete and it is estimated that the collection will contain 50 modules. The development of an additional 24 modules is already being funded by 14 various sources. That this number will grow as we move into 2006 and sales of the product line is being developed cooperatively between IEEE and Thomson. It is scheduled for the 2006 Board meeting. Early in the first quarter of 2006, a meeting is being planned with the Activities (EA) Liaisons to develop a system that ensures the very best Subject Matter is selected and the quality review process is reviewed and expanded.

For more information on Expert Now, please go to <<http://www.ieee.org/education>>. For questions CONTACT Marilyn Catis, telephone +1 732 562 5323; "MailTo: m.catis@ieee.org"; "MailTo: t.gallus@ieee.org".

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

IEEE Virtual Museum

At the beginning of this year, a new exhibit on nanotechnology opened at IEEE university educational site (<http://www.ieee.org/museum>). In addition, the IEEE note that excerpts from exhibits in the IEEE Virtual Museum will be used by the San Antonio Independent School District as part of a program that serves the educational children of migrant workers. Teachers, bringing laptops, visit the homes of students. These teachers will be provided with CDs containing excerpts from the IEEE V

Call for EAB Award Nominations

The IEEE Educational Activities Board is accepting nominations of IEEE members. The deadline for nominations is 30 April 2006. Awards include: IEEE EAB Senior Professional Development Award, IEEE EAB Meritorious Achievement Award in Accredited Education, IEEE EAB Meritorious Achievement Award in Continuing Education, IEEE EAB Major EAB Award, IEEE EAB Pre-University Educator Award, IEEE EAB Meritorious Service Award, and IEEE EAB Employer Professional Development Award.

For award descriptions, honorarium details, and nominations packets, visit http://www.ieee.org/portal/cms_docs/education/EABAwards/index.htm. For more information, contact EAB Awards contact eab-awards@ieee.org.

IEEE Foundation Announces 2006 Application

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

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

Application deadlines:

Applications Due	IEEE Foundation Meeting Date
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January 7, 2006	March 2006
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April 15, 2006	June 2006
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September 16, 2006	November 2006
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To learn more about the IEEE Foundation's grant guidelines, and to submit an application, visit the web at www.ieeefoundation.org.

IEEE-USA Committee Serves as Resource for New Entrepreneurs; Launches Specialized Web site

A new committee created to deliver knowledge, experience and support to entrepreneurs has been created by IEEE-USA. The committee is launching a specialized web site, "IEEE-USA Entrepreneurs' Village," that is designed to provide both new and experienced entrepreneurs with the resources they need to foster innovation and growth. According to IEEE-USA Entrepreneurship Education Committee (EAC) Co-Chairman Mauro Togneri, 85 percent of all innovation comes from small businesses. The committee's objective is to help the United States maintain its competitive position in the global marketplace by providing new resources such as the "IEEE-USA Entrepreneurs' Village" for entrepreneurs. For more information, visit the "Village" at <http://boldfish.ieee.org:80>.

PBS Seeks Engineer Co-Host for "Design Squad" Reality TV Program

WGBH Boston is seeking two co-hosts for "Design Squad," the working title for a new reality TV program aimed at 9- to 12-year-olds. which will begin shooting this summer.

program, two teams of real-life high-school youngsters (not actors) compete usir to design, construct and test functional, whimsical machines. The engineer co-h degree or basic engineering education; a "natural and spontaneous nature"; and learning/teaching environment with teens, as well as in front of a camera. For m go to <http://boldfish.ieee.org:80/u/2303/124374>.

For a peek at a pilot of "Design Squad," see <http://boldfish.ieee.org:80/u/2304/1>

IEEE-USA is seeking contributions to promote public awareness of engineering "Design Squad"; more information is available at <http://boldfish.ieee.org:80/u/23>

Two New IEEE Journals Premier Online

The first issues of "IEEE Computational Intelligence Magazine" and "IEEE Tra Forensics and Security" have been published and are now available online throu library. Computational intelligence is defined as a multi-faceted discipline dedic of design, theory, development, and application of biologically and linguistically models. The first issue of "IEEE Computational Intelligence Magazine" include Computation and Evolvable Hardware. "IEEE Transactions on Information For cover related fields such as digital rights management, content identification, tra surveillance, networking, law enforcement, and legal and ethical issues. The firs human identification based on facial animation and signature verification, among and abstracts for all papers in these issues can be found in the IEEE Xplore digit may also access the full text of the articles:

"IEEE Transactions on Information Forensics and Security"
<<http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=33588>>

"IEEE Computational Intelligence Magazine" <<http://ieeexplore.ieee.org/xpl/to>

IEEE membership portal

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

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