R10 Director’s Message
IEEE Board of Directors and on VOTING in IEEE
Elections

I am writing this message for the R10 September Newsletter during a break at a Regional Activities Board meeting in Newark, NJ. Attending this meeting as well as a meeting of the RAB Strategic Planning Ad Hoc Committee is a reason of my fourth visit to USA this year. Being a member of the Board of Directors requires a lot of flying to USA, as our organisation is incorporated in New York, and the headquarters is located in Piscataway, New Jersey. I promised a write up on the IEEE BoD meetings in the previous newsletter, hence Newark is a proper place for me to attempt this task.

The structure and the operation of IEEE is rather complex. The main governing body of IEEE is Board of Directors, which consists of 31 voting members: President, Past President, President Elect, Treasurer, Secretary, 6 Vice-Presidents and Chairs (Regional Activities, Technical Activities, Educational Activities, Publication Services&Products, Standards, IEEE-USA), ten Regional Directors and ten Division* Directors. There are also two non voting Directors Emeriti: Eric Hertz and Ted Hissey. The BoD meets three times a year, and also other Boards and most of their Committees and SubCommittees meet in the same week. Hence the BoD Series meeting last usually six days.

Being a Regional Director I am, apart from the BoD, also a member of the Regional Activities Board and a member of IEEE Assembly. The Assembly consists of three IEEE Presidents and twenty Regional and Division Directors, and it is the only body on which the elected members of BoD represent their constituency.

In fact RAB is currently undergoing a significant transformation into a Member and Geographic Activities Board, and this was approved at the BoD meeting in Philadelphia in June. The change of the name is a result of a change of emphasis, function and operation, in order to provide better services to the members. Bylaws and Operation Manual of MGA Board are currently being prepared and will be presented to the BoD in November.

I am also a member of IEEE Award Board and I participate as an observer in meetings of the IEEE Executive Committee and other Boards: usually TAB, EAB and Finance Committee. Management of IEEE between the BoD meetings is done by the Executive Committee of the BoD (for which voting members are from the BoD less twenty Division and Regional Directors but including a Director of the Computer Society). Also staff (IEEE and Boards’ Executive Directors) sits on the EC but have no vote (currently there is over 900 staff employed by IEEE, located mostly in Piscataway).

Currently 29 out of 31 Directors are from the Americas (23 from USA, 4 from Canada and 2 from South America); the remaining two being from Europe (France) and Asia Pacific (myself). The biggest number of Directors in 2007, (8), come from the Region 1 (North East of USA), the biggest Region in USA (R6) has only one representative only.

In order to enable me and future Region 10 Directors to be better heard during the Assembly and other BoD meetings it is VERY important that ALL IEEE members in Asia and Pacific VOTE! In the past only 15% of us voted in the IEEE elections and as a result we are perceived not as 67,000 members but only as 10,000. This makes very hard to successfully propose motions benefiting our Region 10!

Now is the time of election again.
I would like each and everyone to vote in the IEEE Presidential Election.
I would like us to show that we matter! PLEASE VOTE TODAY.

Janina Mazierska

* a Division consists of several Societies
The Inauguration of IEEE Shanghai Section
Attended by the IEEE President Leah Jamieson

On 13th July 2007, the inauguration of IEEE Shanghai Section was held in Shanghai Jiao Tong University (SJTU). Several IEEE officials including 2007 president of IEEE Leah Jamieson, IEEE COO & Executive Director Jeffry Raynes, IEEE Staff Director, Corporate Strategy and Communications Matt Loeb, and 2005-2006 Director of IEEE R10 Seiichi Takeuchi, etc., attended the ceremony. Local leaders such as Vice Minister of Ministry of Education of China Qidi Wu, Vice President of SJTU Wenjun Zhang, and Dean of School of Electronic, Information and Electrical Engineering of SJTU Yuanfang Zheng attended the inauguration, too.

It is believed that in the history of IEEE, very few IEEE presidents have attended the inauguration of an IEEE Section. The main reason that Shanghai Section has the honor to have the IEEE President and an vice Minister of the central government of China attending the set-up ceremony is that Shanghai has been one of the most active cities and IEEE Shanghai Section one of the most quickly growing IEEE Sections in the world. According to the introduction by the first Chair of IEEE Shanghai Section, Prof. Junfa Mao from SJTU, IEEE Shanghai Section was prompted from IEEE Shanghai Subsection at the end of 2006 (Prof. Mao was the chair of Shanghai Subsection from 2004 to 2006). The number of IEEE members in Shanghai Municipality was increased from 324 in 2004 to 511 in 2007, an average increase of 18% each year.

For the same reason, many important activities of IEEE have been held in Shanghai in recent years. For examples, in Oct. 2004, IEEE President of 2004 Arthur W. Winston and Director of IEEE R10 Jung Uck Seo visited Shanghai. In Jan. 2005, IEEE R10 EXCOM Meeting was held in Shanghai. In April 2006, IEEE EXCOM Meeting was held in Shanghai (the first time in China). In March 2006, IEEE Executive Director Jeffry Raynes and IEEE Staff Director Matt Loeb visited Shanghai. Also, IEEE MTT-S AdCom Meeting will be held in Shanghai in Oct. 2007. This is the 4th time that IEEE MTT-S AdCom Meeting is out of the US.

Junfa Mao
Chair, Shanghai Section

2007 IEEE President Leah Jamieson delivering her speech

The IEEE President Leah Jamieson with Qidi Wu, Vice Minister of Ministry of Education of China and Junfa Mao IEEE Shanghai Section Chair (in the middle) after unveiling a Copper Board of IEEE Shanghai Section.

Distinguished guests and officials at the inauguration ceremony
**Progress Report**

**The Special Project on Region 10 History**

During the 2007 Region 10 Meeting at Kota Kinabalu, a special project on the History of Region 10 was launched. The objective for the project is to collect information from the Region 10 Councils and Sections for a special report to celebrate the 125th IEEE Anniversary in 2009. Under the leadership of the past and present Region 10 Directors, tremendous growth in memberships and number of Sections has happened during the last 25 years. It is timely to put in record the significant development in recognition of the achievements and contributions by the members and volunteers.

Following the R10 meeting and discussions between the APO officers, R10 Newsletter Coordinator and the Special Project Coordinator, it was decided that the approach shown in the following figure will be adopted.

It is recognized that the stakeholders could be divided into the following categories.

1) **Public users** are members of the community who are interested to read about the information from the portal. They are not permitted to change the content.

2) **Local administrators** are the custodians of the local history and information for each individual unit. Each unit is either a Section or a Council. Only one administrator will be nominated and authorized to upload and/or edit the content in the portal for the respective unit only. In case that the local unit maintains a history page, it is recommended that such person could be nominated as the local administrator for the R10 history.

3) **Manager**: is the person who has the authority to manage the accounts and to monitor or moderate the content if needed. It is expected APO officers will be responsible for this eventually.

4) **Special Project Coordinator**: is responsible for the development of the R10 History portal and compilation of the 125th anniversary report.

**Timeline of the project**


2) Establish accounts for each Operational Unit and details to be sent to Council and Sections by end of September, 2007.

3) Nomination of Local Administrator (LA) from each Operational Unit (OU) by the end of November, 2007.

4) Local Administrator is responsible for maintenance of CHP information for the respective OU. Trial runs in November and December, 2007.

5) If possible, OU should establish and maintain local history portal and provides link to the CHP (and vice versa).

6) Local history portal are encouraged to be hosted at EWH.

7) Report to the progress in 2008 R10 Meeting and confirm the arrangement.

8) Upon approval of final arrangement, data collection until June 2007


**What information is stored in CHP?**

A sample of the information to be input in the CHP is shown below:

It is decided that each item should be short and concise. Each item may include up to 3 images or documents (.pdf). If more detailed information is to be included, a link to the local history portal could be provided. Note that only the LA is permitted to upload or edit the information.

The events will be grouped according to the Year and each item could be selected to output in a report. A sample of the display is shown below (next page).

In summary, the R10 History Project is in progress and log-in details for each OU will be sent to the Section/Council Chair soon. In the meantime, if you have any suggestions to
the project, you are most welcome to contact the Special Project Coordinator, Dr Lance Fung

(lanceccfung@ieee.org)

Last but not the least, sincere thanks and appreciation to Dr Alex Chong for the development of the R10 History Portal; Professor Lawrence Wong, APO Officers, Fanny and Serena, and, R10 Newsletter Editor, Dr Zia Ahmed for their valuable input and contributions.

Lance Fung
Special Project Coordinator

From the desk of the
Student Activities Coordinator

The Student Activities Committee (SAC) of the R10 EXCOM is enjoying a wonderful year 2007 with a variety of new activities planned and executed, along with the regular activities. The SAC being one of the most important committees of the EXCOM, dealing with the student community, careful thought went into the meticulous planning of activities for 2007-08. Our region has the largest number of student members and student branches. However, the biggest problem with student membership is the retention during the student days and also continuity of membership after graduation. Many of our student branches are very active and at the same time a large number of branches are inactive with zero or one digit membership, which is a matter of great concern. The new activities have been designed to energize the sick branches and to encourage them to take up an active role in IEEE.

The first activity which was planned was to empower and motivate the Branch counselors who are the vital link between the changing student leadership of a branch. The announcement was made and in 2007, three branch counselors’ congress were planned, partially supported by R10 SAC. Hyderabad hosted the first congress which was attended by 28 Branch counselors in April 2007, which was a great motivation for reactivation of sick branches and also for the formation of new branches. This was evident when I visited Hyderabad Section to participate in the IEEE Section Student Congress held during August 11 - 12th 2007. Japan council will host a Branch Counselors’ Congress on October 20th 2007 and Bombay Section will host the third congress from 2-4th November 2007. Let us hopes this will boost the morale of the Branch counselors and also pave the way for vibrant student branches. Another package for the Branch counselors is the introduction of three new Outstanding Branch Counselor awards at Region 10 level to recognize and encourage active Branch counselors. The deadline for this award is September 15th 2007.

The announcement for the IEEE Alumni meet has also been made with the aim of formulating an IEEE alumni forum at each student Branch, which will keep in continuous contact with the IEEE alumni of the college (wherever they are) and constantly motivate them to retain IEEE membership, with special programs and meetings organized for them in the Branch. Proposals are awaited for this event.

The details of the student branch operations are on the IEEE website, however, it was felt that the branch officers need a ready reference book in print to help them achieve new heights. With this in mind, a “Branch operations guide” is being printed which will be posted to all the student branches by the end of this year, so that in 2008, we will find, more active student branches, more reporting of the activities, planned branch operations and much more!

R10 SAC supported the Pakistan Student Congress held at Karachi, which was a resounding success; I hope the student branches in Pakistan will show a new energy with this and hope new branches will be formed. I would like to comment the efforts of Mr. Om Perkash Batra and his team for effectively organizing this event. The All India Student Congress is being held in Ahmedabad, Gujarat in September 2007, I hope this will be a very successful event.

The next Region 10 Student Congress is planned at Madras (Chennai), India on January 28 - 30th 2008 in a big way. I visited the venue, SSN college of Engineering in June to finalize the details and I am glad the Congress is being organized in conjunction with the GOLD and WIE Congress. I urge all the Sections in Region 10 to sponsor at least 3 student delegates for this event with travel grant. The registration will be on first come first served basis and we are restricting the participation to 250 students. Preference will be given to third year students with some leadership experience in the Student Branch activities.

The regular activities of the SAC are in progress; the results of the Larry K. Wilson Award, Website Contest, UG and PG Paper Contest, the Outstanding Student Branch Award etc have already been announced. The details of all these events/activities are available on the R10 website:

(http://www.ewh.ieee.org/reg/10/Student_Activity/Student_Activity_Main.htm), keep checking this site for more information.

Finally, my dear Branch counselors and student volunteers, the success of all the above events is attributed to your active help and participation. Let us pledge to make the IEEE student community of R10 more vibrant and dynamic, let us rejuvenate the sick branches and bring them into the lime light to experience the warmth of the IEEE network.

Thank you for all your support and hope to serve you better in the days to come. Please feel free to send in your comments and suggestions to me at mini@ieee.org

Best wishes for the new academic session and best regards,

Dr. Mini S. Thomas,
Chair, R10 Students Activities Committee.

Visit IEEE Region 10 Website at:
http://www.ewh.ieee.org/reg/10/
IEEE Region 10 Student\(\text{GOLD/WIE}\) Congress 2008
(IEEE R10 SGWC08)
28th, 29th and 30th January 2008

Organizer: IEEE Region 10 and IEEE Madras Section

The fourth IEEE R10 Student Congress 2008 will be organized by the IEEE R10 (Asia Pacific) and IEEE Madras Section. The idea of the Region 10 Student Congress (R10SC) was first mooted in 2001 and successfully executed in Singapore (2002), Hong Kong (2004) and in Beijing (2006). The fourth Congress has come to India, which hosts more than 377 student branches out of the 516 student branches in the region. This will be a great opportunity for student volunteers from India and from all the countries in Asia-Pacific to interact and get to know each other in a better way, technically, professionally and culturally. The fourth student congress had been planned in a bigger way, with an attendance of around 300 participants from across Asia-Pacific. The organizing committee has chalked out a very exciting and entertaining program combining serious technical and leadership lessons with fun filled activity sessions.

This year the Student Congress will have a common day with the GOLD Congress and Women In Engineering Congress. Hence this event (IEEE R10 SGWC 2008) will provide an opportunity for the students and young professionals in building their career and to establish networking with other peers in the academia and the industry. This Congress will be an excellent interface for the student members to know more about GOLD & WIE.

Several international eminent speakers from IEEE HQ, R10, industry and academia have confirmed their participation to share their rich experience. This Congress will also feature workshops and interactive sessions. During the Congress, Student Branch and GOLD/WIE affinity Group leaders will be working together on a joint effort to discuss the aspects of Student Branch organization and leadership, as well as the transitional issues of GOLD/WIE.

**Theme: IEEE for Youth - Leveraging social networking for professional development**

**Dates:** 28(Mon), 29 (Tues) and 28 January (Wed) 2008  
**Venue:** SSN College of Engineering, Chennai  
http://www.ssnce.ac.in/  

**Who should attend:** The Congress is open to IEEE student leaders form student branches across Asia-Pacific. Preference will be given to student volunteers, who are in the third year of engineering and had some exposure to IEEE leadership in their Branch.

Registration: Registration will be on first come first served basis, restricted to 200 delegates for Student congress. A registration fee of US$ 80 (US $ Eighty) will be charged per student delegate, which includes accommodation for 3 nights and food during the Congress.

**Contact Details:**  
General Chair: Dr. Mini S. Thomas, mini@ieee.org  
R10 Student Congress 2008  
Dr. P.Suresh Chander Pal suresh372001@yahoo.co.in  
Gopal Balakrishnan RSR gopal.balakrishnan@gmail.com  
R10 GOLD Congress 2008  
Helene Fung hfung@ieee.org

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**R10 WIE Congress 2008**

Tuptim Angkew tuptim.a@eng.chula.ac.th  
Ramalatha Marimuthu ramlatha.marimuthu@gmail.com

**Local Contacts**

Dr. Salivahanan, Principal SSN College  
salivahanans@ssnce.ac.in  
Dr. Ashwin Sahoo ashwinsahoo@yahoo.com

R10 website will be updated soon with further information.

Dr. Mini S. Thomas  
Chair, Students Activities Committee

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**ANNUAL REGION 10 TECHNICAL COLLOQUIUM**

The R10 Technical Activities Coordinator is responsible to organise an annual Region 10 Technical Colloquium in cooperation with one or more interested Councils, Sections and Chapters in the region. The Coordinator is responsible for soliciting proposals for hosting the event, and forms a Review Committee to review the proposals and determine the host. As a guide, colloquium speakers can consist of a mixture of distinguished research scientists, engineers or professors within and outside the region. IEEE Region 10 shall support the budget for speakers’ travel expenses while the host shall bear all the other expenses. Registration fees can be charged to defray the cost and generate profit. A percentage of the profit, if any, should be returned to IEEE Region 10.

Prof. Mahendra Shah  
R10 Technical Activities Coordinator

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**The IEEE Annual Elections**

Let Us show that WE matter!  
Let us show Our Power!  
**VOTE TODAY**

at https://www.directvote.net/ieee/ or by mail

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Your vote is important to the IEEE and for your Region. Please visit the website www.ieee.org/elections to read about the President-Elect candidates and select one you think is the best.

In order for our motions to receive a better support during the Board of Directors meetings we need to be more visible!

Hence it is VERY important that ALL IEEE members in the Asia Pacific Region **VOTE**.

Remember that eligible members also include postgraduate students

Voting is easy - You can do it electronically at https://www.directvote.net/ieee/
Results of R10 Student Paper Contest 2007

The IEEE Region 10 Student Activities Committee conducts two Student Paper Contests (SPC’s) every year, one for the postgraduate and the other for the undergraduate IEEE student members in the Region. The results for 2007 are:

Postgraduate Student Papers

1st Prize (US$800 & certificate plus travel grant of up to US$11k to attend and present the paper at TENCON)

Ye Zhen; Relay Feedback Analysis and Auto Tuning for a Class of Servo Control Systems; Singapore

2nd Prize (US$500 & certificate)

Leung Chiu; Integrated Antenna Modules Achieving High Radiating Efficiency and Adaptive Beam Control for High Performance RF Front End; Hong Kong SAR/China

3rd Prize (US$200 & certificate)

Yau Hee Kho; Reduced Complexity Channel Estimation and Tracking Based on Polynomial Prediction with Application to Equalization; Christchurch, New Zealand

Undergraduate Student Papers

1st Prize (USD800.00 & certificate)

Ayush Bhandari; Sampling Theorems and the Nyquist Criteria: A Unifying Approach; India

2nd Prize (US$500.00 & certificate)

1. Loke Wel Ting; Comprehensive Statistical Static Timing Analysis using Nested-Edge Indexed Canonical Timing Model; Singapore

2. WONG Tze Siang Ashton; Micromechanical Oscillator Circuits; Singapore

3rd Prize (US$200 & certificate)

Fazrul Mohd Farouk; Integrated Component-based GEO-Satellite signal-Acquisition &Analysis System; Malaysia

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USE Expert Now IEEE Courses During Your Next Event and be Part of a New Pilot Program

IEEE Expert Now courses are available for use by IEEE Regions, Sections, and Chapters interested in participating in a new pilot program. Through the IEEE Expert Now Section-Chapter Program, local IEEE volunteers can organize an event where attendees can view one or more IEEE Expert Now course(s) and discuss the materials with a local expert on that topic. There is no charge for participating in this program in 2007. An added bonus for IEEE Regions, Sections and Chapters who participate in 2007, is that they will be able to award Continuing Education Units (CEUs) for their event free of charge.

IEEE Regions, Sections and Chapters interested in participating work with IEEE Educational Activities (EA) Staff to organize the event. For more information visit the IEEE Expert Now Section-Chapter Program web page at http://www.ieee.org/web/education/Expert_Now_IEEE/sc_program.html or send a message to expertnowinfo@ieee.org.

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R10 Executive Committee 2007-08

Regional Director: Janina Mazierska
Email: j.mazierska@ieee.org

Past Regional Director: Selichi Takeuchi
Email: s.takeuchi@ieee.org

Director Elect (Vice Chair): Yong Jin Park
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Secretary: Marzuki Bin Khalid
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Treasurer: Takatoshi Minami
Email: r10-treasurer@ieee.org

Section/Chapter Coordinator & Regional Chapter Coordinator: Miki Yamamoto
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Membership Development Coordinator: Tan Tieniu
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Regional Conference Coordinator: Lawrence Wong
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Student Activities Coordinator: Mini Shaji Thomas
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Strategic Planning Coordinator: Michael Evans
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Life Member Coordinator: Graeme Gwilliam
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IEEE NSW Section

“35 Years of IEEE in Australia” Celebrations

The "35 years of IEEE in Australia" celebration worked out very well, and we had a full house with 48 attending! The event date of the 16th August 2007 was exactly 35 years to the day since inauguration here.

We were fortunate to have representatives attending from New Zealand (Janina Mazierska), Philippines (Eric Khu) and Canada (John Edler). Eric was the longest serving member present, having joined IRE in 1951. We also had formal representation from both IET and Engineers Australia, as well as Mr Robert Miller of Spruson Patent attorneys who provided a detailed bio of the very first Australian member who joined in 1890.

John Robinson, our NSW Life Member Affinity Group Chair introduced new life members and had Mr John Edler provide a precis of his career and travels before retiring here in Australia.

The presentation of the first "Friends of IEEE award" in Australia was made to the Director, Helen Kam of the North Sydney College of TAFE by our IEEE Region 10 Director. Professor Janina Mazierska also presented an IEEE 35 year anniversary recognition plaque to the founding Section in Australia (now called the IEEE NSW Section). Janina also thanked Mr Jim Vasseleu as the original petitioner for the IEEE Australia Section back in 1972.

The dinner was held at one of the most exclusive venues in Sydney, The Royal Sydney Yacht Squadron, and we thank one of our IEEE life members, Phil Dulhunty for sponsoring it.

John Robinson, our NSW Life Member Affinity Group Chair introduced new life members and had Mr John Edler provide a precis of his career and travels before retiring here in Australia.

R10 Director Janina Mazierska and the life members present at the 35th Anniversary Dinner.

David Burger
Chair, NSW Section

IEEE Western Australia Section

New IEEE Chapter Formed in Western Australia

When I came to Western Australia from Europe five years ago, I saw that the region was poised for a promising future with numerous innovation possibilities.

Western Australia is a young and vibrant part of the world offering many opportunities, and although it is more renowned for its flourishing resource industries, there are many activities and potential in engineering research and development.

Western Australia has four universities with a strong emphasis on engineering (Curtin University of Technology (CUT), Edith Cowan University (ECU), Murdoch University (MU) and the University of Western Australia (UWA)). Each has its strength in engineering topics, and inter-collaboration between researchers from different universities and with engineers from industry is common.

These new resources and activities are attracting thousands of new residents to the region each month. This new rush in return necessitates strengthening the existing basis of technology development to sustain its booming resource-based economy.

Therefore, it made sense to set up a new WA Chapter to gather members from the region and federate them around shared technical interests while promoting IEEE too.

How the Western Australia Chapter was formed?

So I invited the IEEE Distinguished Lecturer Professor Vojin Oklobdzija from the University of California at Davis to give a series of talks in Perth in November 2006 (see SSCS News, winter 2007, vol.12, No.1). During these seminars, Prof Oklobdzija encouraged me to establish a SSCS chapter in the region. Later during another seminar at the University of Western Australia and hosted by Professor Lorenzo Faraone (EDS Distinguished Lecturer) we discussed the opportunity of forming the Chapter and they both encouraged me to establish a joint SSCS/EDS/LEOS Chapter.

I contacted the Section Chair, Dr Douglas Chai, sent the petition and collected the signatures and forward those to...
the IEEE team in Piscataway and then everything went very fast. On 11 July a new chapter in Western Australia was born. In time, I aim for the Western Australian Chapter to become a solid foundation for members to use as an innovation platform.

Western Australian Chapter Mission

The new Chapter is a joint association between three Societies: Solid State Circuits (SSCS), Electron Devices (EDS) and Laser and Electro-Optics (LEOS). Many activities in this region are indeed covered by these three Societies, but the objective is to eventually split the Chapters into two or three as the number of members grows and the activity increases.

As the founder of the Western Australia Chapter, I will endeavour to:

1. Invite distinguished researchers/lectures to Western Australia
2. Maintain a list of members and invite new members to join
3. Set up a website for the Chapter
4. Organise IEEE conferences and symposia
5. Hold meetings and seminars for members

However, our first action item will be to ensure IEEE will play a significant role in Western Australia so that the links within the Western Australian engineering community grow stronger.

Adam Osseiran (M'92-SM'06) a.osseiran@ecu.edu.au
Associate Professor at Edith Cowan University in Perth, and the Director of the Australian National Networked TeleTest Facility, a Major National Research Facility project.

IEEE Singapore Section

In May 2007, the Chair of the Section, Lalit Goel, was invited by the IEEE PES USA to serve on the Long Range Planning (LRP) committee for 2006 – 2009.

The IEEE Singapore Section is proud to announce that three students from Singapore won the IEEE Region 10 paper writing contest held in March 2007. In the Post Graduate category Zhen Ye’s paper titled: “Relay Feedback Analysis and Auto Tuning for a Class of Servo Control Systems” won the first prize, whereas in the Undergraduate Category Loke Wei Ting’s paper titled: “Comprehensive Statistical Static Timing Analysis Using Nested-edge Indexed Canonical Timing Model” and Ashton T.S. Wong’s paper titled: “Micromechanical Oscillators Circuit Theory and Analysis” won the joint Second prize. All the winners are from the IEEE NUS student branch.

IEEE Singapore EMC Chapter News

In July 2007, at the IEEE International Electromagnetic Compatibility (EMC) Symposium in Honolulu, Hawaii, the Singapore EMC Chapter was awarded the “2007 Most Improved Chapter Award”. The award was presented to the Chapter Chair, Assoc Prof See Kye Yak, by the IEEE EMC Society President, Mr Andrew L. Drozd.

To celebrate the 50th anniversary of the IEEE EMC Society, the Global EMC University Lecture Series was also held concurrently with the 2007 IEEE International EMC Symposium. Ten renowned professors from all over the world were invited to give lectures on various EMC topics. Assoc Prof See Kye Yak from the Nanyang Technological University was the only Asian professor invited to deliver one of the lectures, entitled “PCB Layout and System Configuration for EMC”. More details can be found at: http://emc06.powweb.com/emc2007/pages/university.htm

IEEE Singapore REL/CPMP/ED Chapter News

In June, the Chapter organized three technical talks. On 22nd June, Drs Chih-Hsuan Chu and Yong-Fen Hsieh, a husband and wife team from Taiwan who started, and now run the company Materials Analysis Technology which specializes in providing failure analysis service to the semiconductor industry gave two talks. In his talk on “Non-Planar Oxidation of Silicon”, Dr Chu discussed different scenarios and gave many examples that he has seen over the course of his career. Dr Hsieh spoke on "Ion Implantation and Related Defect Formation by Latent Stress".

On 25th June, EDS Distinguished Lecturer Prof. Vijay K. Arora of Wilkes University, USA gave a talk entitled “Performance Evaluation of Nano Circuits and Systems with Ballistic Carriers”.

In July the Rel/CPMP/ED Singapore Chapter and ED/SSC Hong Kong Chapter jointly organized the 13th Workshop and IEEE EDS Mini-colloquium on Nanometer CMOS Technology (WIMNACT) which was held in Hong Kong on 23rd July and Singapore on 25th July. The workshops were co-sponsored by the EDS Distinguished Lecturer (DL) Program.

The Singapore workshop attracted about 70 people and was opened with a welcome address by the Chapter Chair, Dr. Alastair Trigg, followed by an Introduction to EEE Microelectronics Center, co-organizer of the workshop, by the Director, Prof. Kin-Leong Pey. DLs from Singapore, Hong Kong, Malaysia, USA and India presented talks at the Singapore workshop.

- Prof. Jun Liou from Univ. of Central Florida: “On-Chip Spiral Inductors in CMOS Technology for RF Applications”
- Prof. Ramgopal Rao from IIT-Bombay: “Device Design and Optimization Challenges for Nano-scale Multi-gate MOSFETs”,
- Prof. Kin-Leong Pey: “Silicided Hyper-shallow p+n-Junctions Formed by Pulsed Laser Annealing for Nanoelectronic Devices”
- Prof. Mansun Chan of HKUST: “Application of Integrated Circuit Technology for Biological Material Analysis”
- Prof. Xing Zhou from Nanyang Technological Univ.: “Unified Compact Modeling of Emerging Multiple-Gate MOSFETs”,
- Prof. Vijay Arora of Wilkes University and is visiting professor at Universiti Teknologi Malaysia: “Physics-
Based Models for Performance Evaluation of a Nanoscale MOSFET”.

This first attempt at the joint mini-colloquia proved very successful as well as economical due to shared travel funds.

DL speakers at WIMNACT - Singapore.

From left to right: Xing Zhou, Kin-Leong Pey, Vijay Arora, Juin Liou, Mansun Chan, Ramgopal Rao, Chih-Hang Tung.

Further information on the 13th WIMNACT, including past history of WIMNACTs, can be found at the website:


Two of the DLs extended their stay in Singapore. Prof Juin J. Liou gave a one-day short course on “Electrostatic Discharge (ESD) Protection in BiCMOS/CMOS Technology on 26th July and a day later on 27th July, Prof. Mansun Chan gave a talk on “IC Industry in China: Challenges and Opportunities”.

This year, the Chapter’s flagship conference on failure analysis, the International Symposium on Physical and Failure Analysis of Integrated Circuits 2007, was held from 11-13 July in Bangalore, India. It was organized by the IEEE ED/SSC Bangalore Chapter and co-sponsored by the IEEE Rel/CPMT/ED Singapore Chapter. It comprised one day of tutorials and two days of symposium and equipment exhibition. Full details can be found at:


Planning is now underway for IPFA 2008 which will be held in Singapore from 7th to 11th July 2008. The first call for papers has been issued and will be available on the Chapter website at

http://www.ewh.ieee.org/soc/cpmt/singapore/

The chapter’s packaging conference, the 9th Electronics Packaging Technology Conference (EPTC 2007) will be held at the Grand Copthorne Waterfront Hotel Singapore in Singapore from 10th to 12th December. Full details of the EPTC can be found at the website:

http://eptc2007.confs.org/

D Mahinda Vilathgamuwa
Associate Professor, School of EEE, NTU

IEEE Calcutta Section

WieNSET-2007

IEEE WIE National Symposium on Emerging Technologies

On June 29 and 30, 2007 the IEEE WIE Affinity Group of Calcutta Section organized a very successful two days National Symposium at West Bengal University of Technology (WBUT), Salt Lake City, Kolkata. The symposium was organised with association of IEEE Calcutta Section and WBUT.

About 200 participants (students, research scholars of engineering, young engineering graduates, faculties and professionals) from different engineering colleges, universities, and industries attended the Symposium. 60% of participants were females.

WIE were honoured with the presence of our invited guests Prof. Debesh Das, Minister-in-Charge of IT, Govt. of West Bengal, Prof. S. K. Sanyal, Vice Chancellor, Jadavpur University, Prof. A. R. Thakur, Vice Chancellor, WBUT, Mr. Debanjan Dutta, MD & CEO of Webel and Prof. Salil K. Sanyal, Chair IEEE Calcutta Section for the inaugural session. Dr. Iti Saha Misra, WIE Chair, Calcutta Section delivered the welcome address and Dr. Gargi Keeni, General Chair, WieNSET- 2007, delivered her speech about WieNSET.

Dr. Iti Saha Misra, Chair WIE Calcutta Section, delivering the welcome address.

The symposium was enriched by the excellent keynote speeches and invited talks of many eminent speakers from academia and industry including eminent women engineers:

- Vasantha Erraguntla, Intel Corp. (Core Design)
- Basabi Bhaumik, IIT, Delhi, (Brain Modelling)
- Bhargab B. Bhattacharya, ISI, Kolkata, (Digital Geometry)
- Sudeshna Sarkar, IIT, Kgp, (AI) Invited Talk
- Siddhartha Sen, IIT, Kgp, (MEM’s) Invited Talk
- Sanjukta Bhanja, Univ. of South Florida, (Nano Computing)

Out of 60 submitted papers, 24 Technical papers were accepted for presentation, 19 papers (79%) were authored or co-authored by women. For Poster Session, out of 11 papers

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And please send photographs in JPEG format in separate files
4 papers were contributed by women as author or co-author. There was a session for Technical Design Model Contest both from hardware and software designing area. Out of 7 design models, 3 designs were contributed by women engineers.

The most awaited and useful part of the symposium was the career guidance program for students and young participants. People from Intel, BARC, Price Waterhouse Coopers, ISRO, DIT, Nicco Venture and Ekta Incubation Centre took active participation. It was of great help to the students who are at the onset of entering into their professional world.

A panel discussion on the topic “Challenges of women participation in workforce – is it the educational system, the social environment or the technical inclination?” was the much attractive part of the symposium where eminent personalities like Prof. Indira Ghosh, Bioinformatics Centre, Pune, Prof. Tapan Ghosal, Jadavpur University, Kolkata, Ms. Roshni Sen, Joint Secretary, South 24 Parganas, Prof. Jasodhara Bagchi, Chairperson State Women Commission, Ex-Prof, Women Studies, Jadavpur University, Prof. Jaba Guha, an ex-professor of Economics, Jadavpur University and Dr. P.P. Das, Interra Systems (India) Limited, Salt Lake City participated. They focused mainly on the confrontation and hardships that woman of today face inside and outside their home. As workingwomen need to take double role both at home front and work place that sometimes pull back her from the top position at professional life. Glass ceiling is another problem for women professionals to be in the highest position of an organization as discussed by Prof. Jaba Guha. Social awareness, equality and respect may be only the driving force to enhance women participation in workforce. Above all self-attitude towards professional duties may make substantiate difference in career profile pointed out by Prof. Indira Ghosh and Ms. Roshni Sen.

Students presenting design models to the Session Chair Prof. Shankar Sen, ex-Vice Chancellor, Jadavpur University, ex-Minister-In-charge, Power and Non-Conventional Energy, West Bengal, presided over the valedictory session where prizes were given to the authors of best technical papers and design model. Women Engineers grabbed the best Technical Paper Award under Research Category, First prize for Poster Paper Presentation and 2nd prize for Design Model Contest. The Symposium was concluded with a vote of thanks by the Program Chair Prof Nabanita Das to all the guests, members and participants for making the program a success.

Prize given to the design model contest winner (2nd prize)

Iti Saha Misra
Chair, WIE, IEEE Calcutta Section
ETCE Dept., Jadavpur University, India
http://ewh.ieee.org/r10/calcutta/WIE/

Visit IEEE Region 10 Website at:
http://www.ewh.ieee.org/reg/10/
The Optic to School Project
LEOS Chapter recently organized the “Optics-to-School” project in order to disseminate the knowledge of optics/photonics to the Thai society. The project included taking 40 students to the national research laboratory and showed them how optics is used in daily life. Each student was also given an introductory book entitled “Photonics…the miracle of light”. In addition, the Chapter organized one technical seminar on “Future generation broadband mobile communication: Need for optical generation of mm-wave signals” by Prof. B N Biswas at Mahanakorn University of Technology, Bangkok, Thailand.

Dr. Sarun Sunriddetchakorn, Secretary of LEOS Chapter, IEEE Thailand Section.

A Lecture by President Elect of the IEEE Computer Society
Prof. Dr. Rangachar Kasturi, President-Elect of IEEE Computer Society, recently visited the Computer Chapter of IEEE Thailand Section. He gave two talks one entitled “An Overview of IEEE Computer Society” and later about “Research in Computer Vision at the University of South Florida”. The Computer Chapter of IEEE Thailand Section is located at Srisakdi Charmonman IT Center (www.SCIT.au.edu). It has one of the largest Internet training rooms with 408 terminals. The activities of IEEE computer society, including provision of about 300 e-Learning courses free for members were described by Dr. Kasturi. He also discussed research on authentication and suggested that two or more methods should be used for authentication. For example, in addition to password, we should use finger print, blood vessel scan, and iris scan, etc.

Prof. Dr. Srisakdi Charmonman, Chair, Computer Chapter, IEEE Thailand Section.

Networking to remain Heart Healthy
People who are not sociable face a higher risk of dying from a heart disease or stroke than those who do network well with others, according to a recent study conducted by researchers at Chicago's Northwestern University. They tracked the health of more than 2,000 men in the age group of 40 to 55 for a period of three decades. At the start of the study, the target team filled in questionnaires designed to set their levels of sociability. By the end of the three-decades long study, 60 percent had died and the analysts compared the questionnaire contents with death certificate details which revealed that sociable men have healthier hearts than their more reserved friends.

It is in this context that the relevance of IEEE comes in, which promotes networking among its members and with the society they live in. Let us come out more in the open and interact with many more people, everyday. A question often asked by engineers when prompted to join professional societies is: What do I get by joining? The answer is ‘Heart healthy and long life.’

N.T. Nair, Chair, IEEE India Council
IEEE Hyderabad Section
Section Student Congress-07
11-12th August 2007

The IEEE Hyderabad Section organized the Section Student Congress-07 & the All India Student Project Contest jointly on 11-12th August 2007 at IETE-Mekaster Auditorium in Hyderabad. The event had participation from 18 student branches across Hyderabad, with the total number of participants about 300. On 11th August 2007 the Congress was inaugurated by Dr. Mini S. Thomas, R-10 Student Activities Chair.

Dr. Surendra Pal, IEEE fellow, Deputy Director, Indian Space Research Organisation (ISRO), delivered the keynote address on the development of navigation and satellite technologies in India. In the student project contest organized by IEEE AES-COM LEO India Chapter along with IEEE Hyderabad Section, two short listed student projects were presented and demonstrated. The project titled “Voice Controlled Car” by Roshan Roy, Sachin Tarakan, and Jayadas of Model Engineering College-Kochi, Kerala bagged the second Prize, as none of the projects qualified for the first prize. In the afternoon of first day, Magna Solutions conducted Softskills Workshop for the students.

On 12th August 2007, Dr. P. Padmanabham, delivered a technical talk on Network Security & Cryptography. Dr. Mini S. Thomas trained both branch counselors and student volunteers in terms of IEEE awareness and benefits. Dr. C. Lakshminarayana, Professor of EEE Dept, MREC, delivered a talk on “Fundamental Concepts of Neural Networks” and Dr. N. Y. S. Murthy, Associate Professor of Bio-Tech Dept gave a talk on “Bio-Technology: Present & Future”. In the afternoon session the Director of UNISYS-BANALORE gave a technical talk on technological developments from typewriter to PC. Lastly Dr. R. Kannan, from the IEEE India Council delivered a talk on “Environment”. Feedback from student participants was that the program was good and useful. Mementos were presented to representative from each Student Branch by Section Executive Committee members and the branch counselors were also honored by the Section.

Do you know?
IEEE has recently announced the publication of four new journals listed below.

- **IEEE Journal of Selected Topics in Signal Processing**
  Discusses the theories and applications of signals by digital or analog devices and techniques. This includes filtering, coding, transmitting, estimating, detecting, analyzing, recognizing, synthesizing, recording, and reproducing signals.

- **IEEE Industrial Electronics Magazine**
  Deals with the theory and application of electronics, controls, communications, instrumentation, and computational intelligence to industrial and manufacturing systems and processes.

- **IEEE Transactions on Network and Service Management**
  Publishes peer-reviewed, archival quality papers advancing the state-of-the-art and practical application of network and service management in an online-only format.

- **IEEE Transactions on Biomedical Circuits and Systems**
  Focuses on microelectronic issues in a wide variety of applications found in life sciences, physical sciences, and engineering.

For more information, please click on the journal’s name.

Looking for a Few Good Fellows!
Nominations are being accepted for the IEEE Fellows class of 2009. The rank of IEEE Fellow is the institute’s highest member grade, bestowed on IEEE senior members who have contributed “to the advancement or application of engineering, science, and technology.” The deadline for nominations is 1 March 2008.

Senior members can be nominated in one of four categories: application engineer/practitioner, research engineer & scientist, educator, or technical leader.

The Fellows Web site, [http://www.ieee.org/fellows](http://www.ieee.org/fellows), contains additional information on the nominating process, including access to the Fellows Nomination Kit, the names of Fellows who may be available as references, and the history of the Fellows program.

For more information on how to nominate a Fellow, read "So You Want to Nominate an IEEE Fellow...”

Nominations Sought for IEEE Kiyo Tomiyasu Award.
The deadline to nominate someone for the IEEE Kiyo Tomiyasu Award is 31 January. The award is presented for outstanding early to midcareer contributions to technologies holding the promise of innovative applications. The recipient is awarded a bronze medal, a certificate, and a cash honorarium. For nomination forms, visit the IEEE Awards Web Site at [http://bmsmail3.ieee.org:80/u/6934/03474392](http://bmsmail3.ieee.org:80/u/6934/03474392)

Dr. Srinivasa R. Nookala
SAC, IEEE-Hyderabad Section
IEEE Pakistan Student Congress (PSC) was the first annual gathering of IEEE members including student representatives from all the IEEE student branches and professionals of Pakistan. It included invited speeches from international and local IEEE speakers, panel discussion by learned from industry, training sessions and fun definitely.

Pakistan Student Congress 2007 was initiated by National University of Computer and Emerging Sciences (FAST) and was organized on July 6 - 7, 2007 by Image Building Society in collaboration with IEEE NUCES Karachi and IEEE Karachi Section. The theme of the Congress was "Training IEEE Leaders for Pakistan". The prime purpose of this congress was to bring representatives of all IEEE student branches in Pakistan and inculcate the idea of community and sharing of knowledge to them. After the inaugural ceremony of the ICIE T 2007 Conference, which was held in parallel to the PSC 2007, Dr. Atta-ur-Rehman, Chairman Higher Education Commission (HEC), gave an insight into the HEC programs in Pakistan. He expressed his utmost believe in having a research culture at the university level education in Pakistan. As part of the Foreign PhD Program of HEC, there will be 80 PhDs coming to Pakistan this year and 250 and 400 in the following years. He reiterated his view that the faculty with active research should have the right to teach at the university level and non-research faculty should go to colleges. He also informed the audience that by June 30, 2008 the substandard institutes and universities will be closed down.

Dr. Zubair A. Shaikh, Director FAST-NU Karachi, in his presentation highlighted the efforts made in order to control plagiarism in the selection of research papers for ICIE T 2007. He said that out of 135 research papers submission, 40 were fully-plagiarized and 25 were partially-plagiarized. Only 40 papers were selected for publication and 33 were scheduled for presentation.

On the second day Mr. Darrel Chong delivered the Leadership Workshop, which was about the effective working of IEEE Student Branches. The motto of the workshop was to provide information about IEEE and polish the branch leadership skills of the attendees.

Mr Muhammad Shahab Siddiqui delivered a presentation entitled “IEEE Student Branches in Karachi and Importance of Volunteerism”. In this presentation the speaker discussed the characteristics of good volunteers and mentioned some well known volunteers. He also talked about the history and status of 11 IEEE Student Branches in Karachi and the IEEE GSESIT Student Branch and its plans for 2007.

Another speaker Mr. Rafael Akbar Chaudhry highlighted his working with the IEEE at FAST-NU, Lahore. After lunch the delegates assembled at 2:30 PM for the early-closing ceremonies of ICIE T and PSC. Dr. Zubair A. Shaikh in his concluding speech highlighted the importance of research and gave following key points to achieve good research:

1. Set parameter of the problem, based on constants of the research problem
2. Research is claimed by the person who is first to prove, write and present
3. Build writing habit
4. You must know how to argue and question
5. Research need to be done by open mind and heart and big heart
6. Researcher need an edge – look at every problem in its social context
7. Link social cultures, technology and software engineering together
8. Be sincere, be committed, be honest, keep nation and people first
Two more presentations were given by Rakesh Kumar on “The Mentoring Connection.com” and by Om Parkash Batra on “IEEE Region 10 Penpal Club”. Dr. Zubair A. Shaikh presented shields to the speakers.

A 6-point resolution was made which included the formation of ad-hoc Executive Panel, responsible to make bylaws of IEEE PSC and its permanent website. The panel comprises of 1 member each from 9 IEEE Student Branches present at the IEEE PSC 2007. Muhammad Shahab Siddiqui was appointed as its coordinator.

Dr. Asim-ur-Rehman distributed certificates among the IEEE Student Branch delegates for participating in IEEE PSC 2007.

IEEE Student Branch, Bharati Vidyapeeth’s College Of Engineering, New Delhi

IEEE Student Branch of Bharati Vidyapeeth’s College Of Engineering is relatively new but still one of the most active branches of the city. Our membership rose from 37 to 87 during the last few months. And this was due to the numerous activities and events conducted by the Student Branch regularly. The highlights of the last three months i.e. June, July and August have been:

- Embedded systems workshop
- Placement workshop
- Formation of WIE Affinity group
- Robotics Workshop

Embedded Systems Workshop

The Embedded Systems group of the IEEE Student Branch of Bharati Vidyapeeth’s College of Engineering conducted the first embedded systems workshop during the summer vacations from 7th June’07 to 3rd July’07 comprising of 10 sessions in all by Mr. Abhishek Aggarwal. It was meant only for the 2nd Year IEEE members of the college. The students were taught basic electronics, electronic components and embedded systems, soldering, introduction to microcontrollers and their programming and serial communication concepts. 30 students participated in it.

Taking into account the increasing inclination towards robotics nowadays the group looks forward at organizing further such sessions during the next academic year and also plans to hold guest lectures by faculty as well as by prominent people from outside the college.

Formation of the WIE Affinity Group

Bharati Vidyapeeth’s College of Engineering got the approval for the formation of WIE (Women in Engineering) Student Branch Affinity Group on 21st June 2007. It currently has a team of 15 dedicated members and has already chalked down the agenda for the coming months. It has conducted the STAR Program in a school which was very successful and highly appreciated by the school authorities. There are many other activities also in the pipeline.

Placement Workshop on 4th August’07

One of the major events conducted by the Student Branch was the placement workshop on the 4th of August. The workshop was meant for the final year students who were going to have their placements within a few days. It acted as a reality check for them and they came to know about their
shortcomings and weaknesses. The workshop began with a panel discussion wherein the alumni of the college (including the IEEE GOLD, Delhi Section Secretary) were involved. They shared their experiences and gave tips to the students regarding the placement process. Afterward mock interviews were conducted. There were 5 panels comprising of 2 to 3 alumni of the college. 130 students participated in the workshop and highly benefited.

ROBOMATIX-Robotics Workshop on 30th August’07
The first session of the workshop was a seminar which was conducted by Mr. Deepak, Mr.Vicky and Ms. Ramya of Maharaja Surajmal Institute of Pharmacy and Technology on 30th of August, 2007.
They told the students about Scrap collection, Fundamentals of Robotics, types of motors and their configuration, gear mechanism, wheels, mandatory tools and other tips and tactics required for making a robot. In the end they also gave a demo and showed different types of robotic arms.
More than 50 students attended the workshop and it was a huge success. The remaining sessions of the workshop will be conducted in the forthcoming months.

Pratibimb - The e-Journal
The Branch is all set to release its maiden e-journal on the 1st of September. It currently comprises of 6 sections namely technical, managerial, popular science, do-it-yourself, guest and literary. All in all it is going to be a complete journal comprising of all kinds of articles required by an engineering student.

Deepshikha Gangal
Joint Secretary, IEEE Student Branch, BVCOE

The IEEE Student Branch, National Institute of Technology, Warangal, Andhra Pradesh, India
VYAS ’07 - 26, 27 & 28 October 2007
“Powering the future of Communication Technology”
An annual National Level Student Professional Awareness Congress and Conference
A platform to showcase your technical talents and research ideas and to share your innovative ideas with students from the rest of the country

Cash prizes of Rs. 25000 each for the best paper and project.

Paper / poster Presentation: Student authors are invited to submit their original ideas revolving on the above theme. For guidelines regarding format of papers, visit http://www.vyas07.org Papers should be submitted to paper@vyas07.org by Friday 5th October’07. Selected papers will be asked to be presented during the conference.

Project Presentation: Student authors are invited to present completed projects related to the above theme. Authors have to submit a document about their project in similar format as above. Selected projects will be kept for display and demonstrations during the conference. The documents should be submitted to project@vyas07.org

Other events include workshops, tutorials and keynote talks by experts from the industry and academia.
For more information and updated list of speakers, tutorials and workshops visit us at http://www.vyas07.org or mail us your queries at queries@vyas07.org

T. L. Prasanna
Chair, IEEE Student Branch, National Institute of Technology, Warangal, Andhra Pradesh, India

IEEE Student Branch University of Auckland
Practice Interviews
Early in July, the IEEE Student Branch at the University of Auckland, in New Zealand, held a very successful ‘Practice Interviews’ event. In this event, IEEE student members were each given two mock job interviews with real employers. This year there were 22 interviewers from a wide range of local and international engineering firms, and over the course of the afternoon, a total of 117 interviews were conducted with 63 student participants, making this event one of the largest to date.

Three days prior to this event, the Student Branch held a separate but very relevant event, the ‘Job Skills’ seminar. Marion Rogers, an experienced human resources professional specialising in the technology sector, gave a captivating talk entitled “Getting the Job You Want”. Drawing on her immense experience, she gave helpful advice on writing CVs and cover letters as well as tips for job interviews and possible career pathways for young engineers. The audience of around 90 took away much useful advice, and no doubt many of them put it to good use at the principal event later that week: the Practice Interviews.

The Practice Interviews began with an afternoon tea for the interviewers, during which the IEEE Student Branch committee welcomed and socialised with the industry representatives. One of the interviewers commented that she was “particularly impressed this year with the hosts…I found that everyone was especially warm and welcoming”. Following a short debriefing, the afternoon of interviews began, and the many anxious students had their CVs and interview skills put to the test. Each interview was half an hour in length, with the first 20 minutes treated as a serious job interview, and the final 10 minutes as a review session of the interviewee performance. It is the feedback received in those last 10 minutes that is the true reward of these sessions, as it helps young students refine those invaluable skills of preparing a stellar CV and performing to their potential in a job interview. The event concluded after 3 hours of interviews with a chance for interviewers and students to socialise over finger food. This provided an excellent networking opportunity for interviewers and interviewees alike. At this evening function, the chair and
vice-chair of the Auckland IEEE Student Branch gave thanks to the interviewers by presenting each of them with a small gift.

Students being interviewed

Socialising over food after the interviews. From left: Bob Woodhead from TruTest, Dr. Bruce McDonald and Dr. Nirmal Nair (SB Counsellor)

Marion Rogers from TriTek Consultants (left) talks to students at the social function after the event

Overall the event was great success, and truly delivered something of value to the student members of IEEE. CV and interview skills can only be developed through first-hand experience, and opportunities like these provide students with an extremely valuable chance to hone these skills in a less intimidating environment. The feedback from interviewers was very positive, with one mentioning that “Once I was interviewing and had gotten into it, I didn't want to leave!...you did a really commendable job.” I would like to thank the Student Branch committee, the IEEE NZ North Section, IEEE SPAVe and the University of Auckland for their help in funding and organising this excellent event.

George Gordon and Claudio Camasca
University of Auckland, IEEE SB
www.ece.auckland.ac.nz/~ieee-student

IEEE Student Branch, Jamia Millia Islamia India
Encomium 2007 – An Intellectual Odyssey

The IEEE, student branch at Jamia Millia Islamia, New Delhi, India conducted a very successful annual technical festival Encomium 2007 on 18th - 19th August. Gracing the Inaugural ceremony were, Professor Anurag Sharma, Dean IIT Delhi (the chief guest), Mr. G. G Saxena (the guest of honor), Professor Mushirul Hasan, Vice Chancellor of the university, Professor N. U. Khan, Dean faculty of engineering and technology JMI, and Professor Mini S Thomas, Branch Counsellor IEEE, JMI and Head, Department of Electrical Engineering. With a brief round up on IEEE, and an insight into the upcoming events of Encomium 2007 by Mr. Amit Arora, Chair IEEE JMI, the gathering was addressed by the honorable guests.

The student scholarship and free IEEE membership being presented.

There was a stream of formal and informal events spread over the two days of the weekend. The most prominent was the Rationale, the technical paper presentations which saw immense participation from many colleges. This was a platform for the engineering minds letting their minds traverse through realms of imagination and portray their innovation and talent.

Eniac 1, an on the spot programming contest tested the participants on their spontaneity of generation of programs to be made to meet different requirements. With numerous students racking their brains over one given task, this event declared its winners, who of course were masters of programming languages and speed. Eniac 2 was a pre designed software contest. It explored the creativity and technical genius of the students. It is contests like these, which let the innovative minds flourish. It gives an insight into the bright future that lies ahead. Not to forget, Avanzare, the on the spot java programming contest that saw an enormous participation too. Wit, skill and talent won laurels. Envisage, was also an 8085 programming contest.

The quizzing contest, Enigma, was a breathtaking intercourse with questions pouring from every side, minds
that stirred the best, and responded the fastest as deserving, won the prizes. Entelechy was the on the spot hardware and software simulation contest. Preliminary round tested the knowledge of the participants theoretically, while the finals consisted of three levels of questioning with ascending difficulty.

The most happening event, ENCEPHALIA, the robotics contest challenged the students to design manual robots. This event saw participation from all over India. The robots were used to shoot balls into a goalpost. Enmetier, the business plan and encopinion, the debating competition also had a great contribution in making encomium 2007, a grand success.

For the very first time, JMI had also included a contest for school students this time. Endeavor, gave the young minds of the nation, a platform to display their science projects and put forth their ideas of helping the humanity and society using science to its best.

However, no one can deny that the fans of the gaming world outnumbered all the rest. Encolympics, the network gaming contest, invited participants to wage a rage against each other. With Moto Gp 3 on the tracks, there was an enthralling gaming war. Popularity of gaming won a matchless participation. So much for the formal events, there were many events like face painting, dumb charads, futasfl (5 sided football match). Bullz n Bears (stock market event), ad mad show, cryptomania, junkyard, dramatics etc added to the fun quotient. The closing ceremony began in the late afternoon of the second day. It included prize distribution and the vote of thanks. This part of the day, was the time for the working team to see the fruits of their labour and relish the success of the fest. The rock show that followed in the evening gave the fest a terrific end that wrapped up encomium 2007 into a beautiful memory to be cherished forever!

IEEE Student Branch G. H. Raisoni College of Engineering, Nagpur, India

Activities Report

IEEE Student Branch, G. H. Raisoni College of Engineering has become an active student body in a relatively short time. In the last few years, the branch has grown to be a dynamic entity that executes professional visits and manages to run on its own funds. With more members than ever before, it is only expected to be more ambitious with time.

The membership strength of the branch is around 130 & the members are actively participating in various activities of the branch. The branch has conducted the National Tech Fest Kriti-2004, the Blitzkrieg event for the students, the Continuous Education Programmes on Communication Design Softwares, Telematics, MATLAB, Signal Processing, VLSI & VHDL tools, Embedded systems etc. These activities have provided platform to the students to develop their technical skills.

The mentor of the branch, Dr.P.R.Bajaj is also the Executive Committee member of IEEE Bombay section & Senior Member of IEEE. The following are the Office Bearers

Mentor: Dr.P.R.Bajaj
Counselor: Prof.A.Y.Deshmukh
Co-ordinator: Prof.S.S.Kurumbanshi
Chair: Ms.Kritika Borikar
Vice Chair: Mr.Abhinav Sonkar
Secretary: Mr.Anubhav Jain
Treasurer: Mr.Divakar Sharma

The branch has also subscribed for the Student Branch Magazine Package comprising transactions & Magazines. Some of the events include seminars and workshops by esteemed institutes and national level technical festivals. The branch’s success is attributed to the dedication and hard-work of the student members from all parts of the country. This year, students of Computer Science and Electrical Department were also inducted. Events organized under IEEE are open to all students of the college.

One of the most awaited events is the IEEE Awareness Campaign which witnesses a lot of enthusiastic students visiting various rural and urban schools to enlighten the students with current & future technology. It is an opportunity for students to develop their personality.

Face painting, informal in progress

Encephalia Robotics event

Awareness Campaign 2006
The branch also participated in the Student Branch Website Contest 2007 and stood 5th in India. I2IT Pune conducted a technical workshop for the students of the branch. With the able support of the student volunteers and in pursuit of the vision of our mentor, the road ahead is clear and exciting.

IEEE Student Branch - NUCES, Karachi

The IEEE Student Branch at the National University of Computer and Emerging Sciences (IEEE-NUCES) Karachi, Pakistan organizes seminars, tutorials, workshops and paper calls to support research and engineering profession at the Karachi campus. IEEE-NUCES Karachi campus gives an exposure to the real world happenings along with social and economical trends of the technology.

Our Student Branch can proudly say that we are one of the most active IEEE student branches in Pakistan. The Pakistan Student Congress initiative is hope to spark a lot of interest for new IEEE student members and possibly more student branches in Pakistan.

IEEE-NETCOM – March 31, 2007

IEEE-NUCES organized NETCOM 2007 at the National University of Computer and Emerging Sciences, Main Campus on Saturday March 31, 2007. The theme for the event was entitled with the “Engineering the Future” and was aimed to unleash the power of technology and the way we develop and deploy it.

The event was inaugurated by Mr Noman Sehgal, Information Technology Advisor to the Chief Minister of the province of Sindh. It was the first National Innovative Business Ideas, Micro-Controller Interfacing, e-Zenith, Circuit Design and Animation and Short movie competitions.

We had participants from number of student branches at different institutions of the city, working under IEEE Karachi Section. Among them the prominent teams were from Karachi School of Arts, NED University of Engineering and Technology, FAST-NU Karachi, Bahria University, NUST, IEE, SSUET, PAF-KIET and a number of other institutes and colleges. Besides student participation in the event there were also present some of the eminent academicians from different educational institutions and prominent engineers and professionals from the industry like Motorola, PTCL, Interface (a telecom-resource firm).

After the success of IEEE-NETCOM2007 we plan to hold it annually at NUCES.

EXCOM Elections – August 23, 2007

The elections for the Executive Committee of the IEEE Student Branch at NUCES, Karachi were held on August
23, 2007 under the supervision of Branch Councilor. The elected team is as follows:

Chairperson:  Syed Obaid Nasir
Vice Chairperson:  Shoaib Feroz
General Secretary:  Syed Ammar Faheem
Treasurer:  Arsalan Tariq Mir

The new body has held the office and would commence student activities in full swing.

IEEE-NETCOM hardware competition winners

Freshmen Orientation & Introduction to IEEE

The newly elected ExCom for the first time has taken the initiative for orientation & introduction of IEEE at NUCES for the freshmen entries. The orientation is to be held on September 3, 2007. The topics that would covered at the orientation are: What is IEEE?, IEEE Vision, Organizational overview of the IEEE, IEEE Structure, IEEE Technical Societies, The Student Activities Committee, Membership.

Plans of the New ExCom

Online Web Portal

The IEEE-NUCES Karachi team is working on the project of online web-portal that would give the Student Branch members access to e-books. Also an idea of giving online access to renowned engineering and computing magazines for the members is in the pipeline.

WIE Affinity Group

We plan to launch WIE (Women in Engineering) Affinity Group. The Affinity Group will function under the auspices of IEEE-NUCES Karachi, solely dedicated for the benefits of women engineers.

Operating Committees

We plan to have different operating committees which would help us have a balanced, broad-reaching program of activities and also involve more of our members in the planning and leadership of many activities.

NETCOM 2008

The NETCOM 2008 Project is also on the agenda which is going to be a similar event as NETCOM 2007 but targeting more participants and taking the competition to new heights.

Arsalan Tariq Mir
Treasurer, IEEE-NUCES, Karachi

The University of Western Australia (UWA) IEEE Student Branch

2007 to date has been a very productive and successful year for the University of Western Australia (UWA) IEEE Student Branch. The year began with the traditional sales of lecture notes on behalf of the UWA School of Electrical, Electronic and Computer Engineering (EECE). This and regular BBQ membership drives held throughout the year have further increased student awareness of the relevance of the IEEE, and the services we provide to students. We have seen a strong and keen response from many undergraduate and postgraduate students who have signed up.

Our Annual General Meeting was held on 6th March at the Blakers Lecture Theatre. The turnout was pleasing, with an enthusiastic response from new and current student members of the committee.

On 19th April, we participated in the Engineering Faculty’s First Year Advice Day. This was an excellent opportunity for first year students to explore their engineering career options. It was also attended by representatives from industry and the different Engineering schools and organisations.

On Wednesday 16th May, the Student Branch held a site visit at the Public Transport Authority (PTA), East Perth. Students were provided with a tour of maintenance and control facilities, responsible for operating Perth’s entire public transport infrastructure. Engineers from the PTA were also on hand to provide insight and a vision of the future of public transport in Perth.

Public Transport Authority Site Visit

At UWA on May 22nd, a joint IEEE, IET and Engineers Australia Seminar was held, with the aim of educating students about the various professional organisations which can serve their professional interests. Free lunch and drinks was supplied to all attendees, and all feedback indicates the event was enjoyed by students and the speakers.

Our second site visit for the year was held on 23rd May at the Main Roads WA Traffic Operations Centre. Students were able to catch a glimpse of the day to day operations and engineering behind ensuring smooth traffic flows in a medium sized city, as well as the systems integrated into Perth’s Graham Farmer Freeway Tunnel.

The IEEE Student Branch held its social event on May 24th at Zone 3. Zone 3 is an interactive laser tagging game and
was enjoyed by all. On 28th May, Matthew Leigh from UWA’s Optical + Biomedical Engineering Laboratory (OBEL) presented a technical seminar on the progress current being made in the tools for researching sleep apnoea.

For Engineering Week 2007, our student branch added electrical engineering flair, with several free soldering workshops for all interested students. These workshops were well attended and popular with both sessions being completely booked out within a few hours of the sessions being advertised. Every student received a free Multimeter kit, which was used as practice to develop their soldering skills.

Soldering Workshop

The UWA IEEE Student Branch strongly supports not only current students, but also the promotion of the School of EECE to prospective students. We assisted the School of EECE on UWA’s Campus Open Day, called UWA EXPO, with prospective students and other interested members of the public enjoying a free BBQ run by the branch. The branch also provided volunteers to act as guides for members of the public visiting the school.

Semi-weekly membership drive BBQ

The main event in the student branch’s calendar, our annual IEEE Student Networking Forum, was held on 13th August, with over 31 companies and organisations participating. This popular event gives Engineering and Computer Science students the opportunity to meet with some of Australia’s top engineering and technology firms and identify potential vacation and graduate employment opportunities. Over 450 students and 100 company representatives attended the evening. Over 450 students and 100 company representatives attended the evening.

The organisation and running of this event was spearheaded by members from the UWA IEEE Student Branch, with the overwhelming majority of the organising committee comprised of UWA IEEE Student Branch members. Most companies provided financial support towards the running costs.

A booklet with details of all the companies and professional organisations was produced and handed out to every student, and provides easy access to company information after the event. Feedback from companies, students and UWA staff attending has been overwhelmingly positive, indicating that all groups found it to be an invaluable experience.

2007 IEEE Student Networking Forum

Recently our student branch was awarded 3rd place in the International IEEE Student Branch Website Contest, the highest of any Region 10 student branch. This is in addition to our 3rd placing in the Region 10 IEEE Student Branch Website Contest. Our website is located at www.uwaieee.org.

Our focus remains on the continuing expansion of student activities which are relevant to academic, industry and the overall professional development of the students. I would like to take this opportunity to thank our student branch counsellor, Dr Jasmine Henry and our enthusiastic student committee at UWA. Without your support and efforts our branch activities would not have been possible.

Timothy Wong, Chair 2007 UWA IEEE Student Branch
Kenny Wong, 2007 UWA IEEE SB Webmaster

R10 Student Branches List
http://www.ieee.org/web/membership/students/branchlists/R10.html
IEEE Thadomal Shahani Engineering College (TSEC)

The Student Branch at TSEC (IEEE-TSEC) is the largest Technical Society in TSEC and one of the largest student branches in the world.

The first half of 2007 has been an extremely eventful time for IEEE-TSEC. The year started with the selection of the new committee for 2007.

The immediate and daunting task facing the new committee was organizing the annual IEEE-TSEC Industrial Trip. The location chosen this year was Kerala. Being India’s most advanced state, with a hundred percent literate people and diverse industries, it was in fact the obvious choice. The trip was from 11th to 20th Feb ’07 with more than 150 students and professors. They spent 3 days in Ernakulam visiting industries and understanding the work culture that the students shall soon be a part of. It was truly an enriching experience for all those present. And keeping with the IEEE-TSEC tradition of enjoying even when we are working, there were visits organized to the famous backwaters of Kerala for a cruise and to the Gorai Beach. The group also visited Allepey and Fort Kochi. The highlight of the trip was the visit to Munnar. A small and beautiful hill station situated in the very heart of Kerala, Munnar redefined heaven for us. It was an experience we shall always cherish. The students learned a lot about the industries and what they would have to live with once they join the work force. It was an inspiring and thought provoking journey and was thoroughly enjoyed by everyone. The trip was a huge success!

At the beginning of every year, IEEE-TSEC Computer Society welcomes its members with an inaugural seminar. In the year 2007, it conducted a seminar on ‘Studies Abroad’. It enlightened the students about various technical courses available to them in universities outside India. This helped the members to get accustomed to the various necessities and procedures to enroll themselves in courses abroad. This seminar was conducted my Mr. Ganesh Kohli and was warmly received by more than 130 students.

As part of the even semester activity, Computer Society opened MOSAIC festival to its members. It was nothing short of a resounding success. It began with a week long workshop on ‘Web designing’ illustrating the vast technology behind web site creation. Members learnt the various intricacies involved, using the tools of HTML and software such as Dreamweaver. The Second part of the week long festival was a workshop on image editing using ‘Photoshop’. This was followed by a two day workshop on animation using ‘Flash’. Members enjoyed this session thoroughly learning to create basic animations.

The icing on the cake was the final competition. Participants were told to create a website using all that they had learnt in the workshops. Not only did this ensure that the festival created a competitive mood, but also, that the participants could get a hang of the concepts that they have imbibed. As students step out of the realms of the university, the industry poses a challenge to stay constantly updated with the latest trends and developments and basic technical know-how. In it long tradition, IEEE-TSEC provides Summer Placements to it members. It brings the students closer to the reputed organisations, fulfilling and giving them an edge over their peers.

As part of its even semester celebrations, Computer Society at IEEE-TSEC is getting prepared to hold INGITION’07.

The IEEE-TSEC team continued with the same enthusiasm back in Mumbai. The individual societies of IEEE-TSEC held their own festivals to further educate the students to find their own niche.

IEEE-TSEC Computer Society has established itself among the students as an endeavour to make its members proficient at computer and related technologies. Students in general are equipped with a strong theoretical background but an in-depth practical knowledge is absolutely essential to survive in any field. Computer Society at IEEE-TSEC understands this very basic need. It tries at its level best to provide to its members a thorough insight and a hands-on experience in computing technologies. It prides itself on its ability to tap the vast sea of talent within its members, preparing them for the professional world.

In the recent years, IEEE-TSEC Computer Society has had an ever growing membership base. In the year of 2007, it had a very successful membership drive to become the largest of IEEE’s society at TSEC.

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As part of its even semester celebrations, Computer Society at IEEE-TSEC is getting prepared to hold INGITION’07.
IEEE-TSEC Computer Society has made a mark internationally since its inception. There are numerable distinguished awards that our society has the pride of possessing. It won the Best International Students Chapter Award in 1999, 2002 & 2003. It has won the same award in the year 2007.

Deepti Chheda won the Richard E. Merwin Distinguished Service Award in the year 2003. This is the highest level volunteer service award of the Computer Society given for outstanding service to the profession at large, including significant service to the Computer Society. The same award has been won by Mohit Thate in 2005 and Sushil Chandiramani & Poulomi Doshi in 2006.

IEEE-TSEC Communication Society (COMSOC) is one of the largest societies in Thadomal Shahani Engineering College (TSEC) with a highest number of fresh memberships than any other IEEE-TSEC society. This year’s committee is led by Riddhisha Prabhu (Chairperson). Other committee members include Shishir Narsinghani (Secretary), Mayank Madhav (Treasurer), Durga Kudtarkar and Gautam Ajwani (Membership Drive Officers).

IEEE-TSEC COMSOC has long been regarded as one of the most active societies in the college and has become increasingly popular among the first year students. In the recent years it has conducted various activities including workshops on Car Security and Walkie – Talkies, seminars on Networking and numerous other related topics. It has also undertaken in-house projects like the installation of public telephones and a rolling LED display in the college. Many industrial visits called Bombay Industrial Visits (BITS) within the city have also been organized by the society. BITS is a unique feature of IEEE-TSEC COMSOC and is exclusively for its members. A variety of different types of industries have been covered under these visits such as the Nha va-Sheva Port, Radio Station Go 92.5, the workstation of the famous DJ Nasha!

At the beginning of the semester an orientation was organized to introduce the new committee and to discuss plans for the future with the new members. The members were informed about the benefits of being in the society and about its festivals. The society organizes two technical festivals: ‘Nova’ in the odd semesters and ‘Techno’ in the even semesters. Though the festivals are largely technical they also feature some non-technical events striking that perfect balance between fun and learning.

Nova ’07 was a three day festival held on 24th, 26th and 28th March 2007. It comprised of a variety of events including a couple of contests, a workshop and a seminar. A Cricket Quiz was conducted on 24th March. It was a highly interactive, fast paced quiz consisting of rapid fire questions, images and videos. Four teams of two participants in each competed against each other. As the quiz progressed the teams got eliminated one by one keeping the audience entertained to the very last minute. The winners of the quiz were Mr. Jeetendra Nihalani and Mr. Nikhil Motwani.

On 26th March a workshop on Infra Red Alarms was conducted by Mr. Hemant Agrawal. Students built Infra Red Alarms which buzzed every time the beam of Infra Red light was interrupted by an obstruction. They spent hours building these alarms by soldering together tiny pieces of electronic components. For most of these students it was the first time that they had ever handled a soldering iron! This workshop was very informative and received a good feedback from the participants.

Also, another event conducted on all three days of the festival was the TSEC Stock Exchange designed as a mock Stock Market to help students better understand the working of a Stock Market. In this event the students invested daily using (fake) money on the various stocks listed in this Stock Exchange. The market showed rise and fall just like a real market and provided the thrill of investing in a true stock market to over a hundred investors who traded in it everyday. The TSEC Stock Exchange was by far the biggest and the most popular event in the festival and was truly well conducted by the dedicated efforts of its organizers.

The society has always believed in developing young minds by enhancing their technical and management skills through experience. This year, therefore, the annual festival ‘Nova’ was organized with a slight change. For the first time some of the first year student volunteers were made Event Heads and were in charge of their individual events with some guidance from their seniors. The strategy proved successful and the students were greatly benefited. The fledgling juniors experienced what its like to be at a higher level and also learnt the responsibilities and duties associated with it. The society plans to continue to implement this strategy in the future.

IEEE–TSEC COMSOC has been doing its best to maintain the high level of enthusiasm amongst its members and hopes to continue to do so in future with exciting events like BITS coming up in Techno. It is planned to have a one day visit to the manufacturing plant of Mahindra & Mahindra Co. Ltd. in Nasik, which manufactures various types of automobiles. This and several other educating yet entertaining events are being planned and hopefully the next semester will be just as great this one!

IEEE–EMBS TSEC, the only biomedical society of MUMBAI, envisages the dream of being at the pinnacle of success and to foster technological innovation enabling member’s careers and promoting community worldwide. We have always been immensely active putting our efforts to keep students updated with the new technologies related to biomedical and biotechnology fields through various seminars, workshops, demos, visits, etc. We also print
newsletters for students which give brief information about new and upcoming biotechnological & biomedical companies.

A Student’s committee is selected annually that is responsible for the events throughout the year. A panel of previous committee members selects the new committee members by seeing their performance in the year, credibility and plans for the society. Branch Counselor Ms Poorna Waingankar along with the teachers of the biomedical and biotechnological department supervises our activities every year.

IEEE-EMBS TSEC conducts two major annual inter-collegiate festivals - PULSE and CEREBRATION. PULSE serves as a healthcare hub, having participants from various fields such as biomedical engineering, medicine and biotechnology. It has been our constant endeavor to embrace new topics, which are interdisciplinary and cater to all the above fields. CEREBRATION on the other hand is a Technical Paper Contest, again being an inter-collegiate festival conducted for students of all branches, allows them to show their calibre in technical writing and presentation skills.

PULSE 2006 was a festival consisting of seminars, workshops and demos to give our students practical knowledge beyond their curriculum. The main highlights were seminar on Future prospects of Biotechnology which received an overwhelming response, biotech being relatively new in Engineering. The workshops on Capsule Endoscopy by Mr.Sanjeev Sethuraman from Johnson and Johnson, demonstrated the working of the tiny capsules used as endoscopes and Pacemakers, which gave an insight into the various types of pacemakers form their discovery until today.

Along with the seminars and demos, workshops on software’s like PSpice and MATLAB were also organized. These were highly appreciated by the students as they have now become the necessity for our upcoming Biomedical Engineers. To break the monotony we had a brain wracking technical quiz and expansive technical group discussions later in the day. More than 120 people attended the event and it proved to be one of the biggest biomedical festivals in Mumbai.

CEREBRATION, our annual Inter-Collegiate Technical Paper Presentations program, welcomes students from all branches to display their technical progress.

CEREBRATION-07 was a huge success with 56 papers contesting. After a round of oral presentation, 3 groups were titled as winners by our renowned panel of judges on the basis of clarity of subject, cohesion of material, layout and presentation, proficiency in English and the scientific rigor of the material presented.

IEEE-EMBS TSEC also arranges seminars throughout the year in collaboration with the Biomedical Department, TSEC, some of them being Cardiac Care. We envision introducing visits to pharmaceutical and biotech institutes, hospitals, medical centers, research centers and other technical institutions and arranging seminars on genetic engineering, nanotechnology, tissue engineering, rehabilitation engineering, neural engineering, bioinformatics, and medical informatics. Apart from being the only active biomedical society in Mumbai, India, the society continually updates its program of technical activities to meet the needs of modern industry.

The Industrial Electronics Society through its members encompasses a diverse range of technical activities devoted to the application of electronics and electrical sciences for the enhancement of industrial and manufacturing processes. These technical activities address the latest developments in intelligent and computer control systems, robotics, factory communications and automation, flexible manufacturing, data acquisition and signal processing, vision systems, and power electronics. The Society continually updates its program of technical activities to meet the needs of modern industry.

Their annual festival, TECHTRIX 07 has workshops on Robotics Level 1, Parallel Port programming, Matlab, PCB Designing. The also had a contest, Robo-soccer where the robots made in the workshop were used by the participants.

Also, our impressive website www.ieee-tsec.org has won the “IEEE Region 10 Student Branch Website Contest” for the year 2007.

Apart from this, our Technical Team has been representing IEEE-TSEC at various college festivals in Mumbai in various events like “Technical Paper Presentation”, “Robotics”, “Website Designing” and many more, and everyone on the team has come back a winner. The list of such talented future engineers continues to grow everyday under the guidance of IEEE-TSEC and IEEE-TSEC shall continue to nurture them to represent our college and our nation on an even larger platform.

The second half of the year begins and the biggest highlight, our National Technical Festival, ISAAC ’07 is here. ISAAC or IEEE-TSEC Student Activities and Conferences is a name to reckon with in the minds of every engineering student in Mumbai. It has consistently been the technical festival starting new trends and setting new challenges for its contestants. And as always, we intend to raise the benchmark again this year with ISAAC’07.
IEEE SPECTRUM TECH INSIDERS SERIES

If you missed these live Webinars you can still view them in their entirety at link below:

- **Multiphysics Simulation for Electrical Engineers**
  Critical issues facing today's electrical engineers, plus a demonstration of the COMSOL multiphysics work environment.

- **Optimizing Nanoscale CMOS RFICs**
  Explore the latest challenges and rewards of migrating to the nanometer regime, including new solutions for nanoscale design.

- **Mobile Devices and their Impact on Network Security**
  Resolving the conflicting needs of maintaining security within the enterprise while taking advantage of these new and highly-productive devices.

- **Design and Process Engineering - Bridging the EDA Gap**
  How industry is responding to the growing challenges of EDA and convergence with new applications, approaches and best practices.

- **Medical Technology Gets a Shot in the Arm**
  Advances in wireless technologies are reshaping healthcare, and moving out of hospitals and into patients and their homes through the life-saving benefits of WLAN, RFIDs, Bluetooth, and wireless implants.

- **Test and Measurement**
  Techniques that help design engineers boost measurement speeds and reduce costs.

  http://www.spectrum.ieee.org/webcasts

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**IEEE UCE/SPAM FILTERING SERVICE CHANGED FROM "OPT-IN" to "OPT-OUT"**

To help reduce the increasingly large volume of unsolicited commercial email messages - commonly known as spam - being sent to ieee.org email addresses from outside sources, the IEEE UCE/spam filtering service has changed from the current "opt-in" policy to an "opt-out" policy.

A default spam filtering level, expected to reduce the volume of email sent to ieee.org addresses by 30 percent, is applied to all IEEE email aliases. It is designed to filter out email that is extremely likely to be UCE/spam. In the past, this filtering service had to be individually activated by each user.

Those who do not wish to have the default spam filtering level applied to their IEEE email alias can select to "opt-out" at https://uce.ieee.org and choose the "No UCE/Spam filtering" option, or select a more aggressive filter level. After choosing this option, click on "Set UCE/Spam Filtering Level" button to save the changes. Subscribers can opt-out of the filtering service at any time.

For more details on why the new policy was implemented, how the policy will improve email delivery through internet service providers and the aggressiveness of the service, visit https://uce.ieee.org/opt-out-info.html. Questions can be directed to member-services@ieee.org.

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**THE IEEE MENTORING CONNECTION SEEKS NEW MEMBERS**

The IEEE Mentoring Connection is seeking additional "online" mentors to help guide younger professionals in career planning and professional development. Mentor participation is open to all higher grade IEEE members. The program is connecting mentors around the world. For example, a mentor in Ireland is partnered with a member in Saudi Arabia; mentors in the United States are currently matched with individuals in Japan, Nigeria and India. A total of 854 mentees and 379 mentors have registered for the program to date. Since its inception, 166 mentor/mentee pairs have been established, with several other partnerships in the process of being finalized.

Potential mentors are asked to review the time and effort commitment to the program necessary to ensure a successful mentoring partnership. Currently, mentors are asked to dedicate a minimum of two hours a month. Interested members can visit <http://www.ieee.org/mentoring> for more information on the roles and responsibilities of each mentoring partner, including additional program information and an FAQ page. To join the program, visit <http://www.mentoringconnection.com> and use the IEEE Group ID "IEEE2006" to open the site, followed by a Password and User ID set-up process. Members with questions can contact Cathy Downer at: c.downer@ieee.org

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**BEST BUSINESS PRACTICES FOR IEEE UNIT TREASURERS**

Job details for the Unit Treasurer can vary, depending on the size and activity of the Unit. However, in spite of Section differences, basic good business practices are the same for all. Following are three essential tasks for all IEEE unit treasurers:

(A) The Treasurer should present the Section/Chapter cheque register(s) to the Section ExCom at least two times during the year for review and approval.

A Cheque register should always include name, date, amount, budget line and purpose for each transaction (for example, expense reimbursement, services provided, etc). The reason for this is to provide an independent review of expenses, and to ensure that the Section ExCom is informed and approves unit expenses.

(B) The Unit Chair and Treasurer should periodically review the original monthly account statements and compare them to a recent financial report.

It is good business practice for unit leaders to review account activity so that more than one person has oversight of the financial records. Please be sure to remove all outgoing officers from the unit bank account.

(C) All IEEE units must submit their signature/bank account cards, signed by all authorized unit officers, to IEEE for the required staff signature. For Units in Region 10, should local laws or banking rules prohibit this; an exemption must be obtained, using the form in the L50 Financial Report.
2008 10th International Conference on Advanced Communication Technology (ICACT)
17 Feb - 20 Feb 2008
Conference Location: Gangwon-Do, Korea (South)
Sponsor: IEEE Communications Society, Daejeon Section
Abstract Submission Deadline: 05 Oct 2007
Final Paper Submission Deadline: 31 Dec 2007
http://www.icact.org

2008 International Workshop on Antenna Technology "Small Antennas and Novel Metamaterials" (iWAT)
04 Mar - 06 Mar 2008
Conference Location: Chiba, Japan
Sponsor: IEEE Antennas and Propagation Society
Abstract Submission Deadline: 15 Oct 2007
http://www.ap.tu.chiba-u.jp/iwat2008/

2008 7th ECS-International Semiconductor Technology Conference (ISTC)
15 Mar - 17 Mar 2008
Conference Location: Shanghai, China
Sponsor: IEEE Electron Devices Society
Abstract Submission Deadline: 15 Sep 2007
http://www.ecsistic.org/ISTC/2008/callforpapers.asp

2008 International Workshop on Wireless, Mobile and Ubiquitous Technology in Education (WM UTE)
23 Mar - 26 Mar 2008
Conference Location: Beijing, China
Sponsor: IEEE Computer Society
Abstract Submission Deadline: 05 Oct 2007
Final Paper Submission Deadline: 23 Dec 2007
http://www.w mute2008.org/callforpaper.htm#

2008 12th International Conference on Computer Supported Cooperative Work in Design (CSCWD)
16 Apr - 18 Apr 2008
Conference Location: Xian, China
Sponsor: Beijing Section, China Council
Abstract Submission Deadline: 01 Nov 2007
Final Paper Submission Deadline: 01 Feb 2008
http://2008.cscwd.org/

2008 IEEE International Conference on Industrial Technology - (ICIT)
21 Apr - 24 Apr 2008
Conference Location: Chengdu, China
Sponsor: IEEE Industrial Electronics Society, Chengdu Section
Final Paper Submission Deadline: 15 Jan 2008
http://www.scueei.net/icit08/

2008 IEEE Vehicular Technology Conference (VTC 2008-Spring)
11 May - 14 May 2008
Conference Location: Singapore
Sponsor: IEEE Vehicular Technology Society
Abstract Submission Deadline: 29 Sep 2007
http://www.vtc2008spring.org/

2008 International Conference on Computer and Communication Engineering (ICCCCE)
13 May - 15 May 2008
Conference Location: Kuala Lumpur, Malaysia
Sponsor: Malaysia Section COM Chapter
Abstract Submission Deadline: 01 Nov 2007
Final Paper Submission Deadline: 01 Feb 2008
http://www.iium.edu.my/icccce

2008 1st Asia-Pacific Symposium on EMC (APEMC) & 2008 19th International Zurich Symposium & Exhibition on Electromagnetics
19 May - 23 May 2008
Conference Location: Suntec, Singapore
Sponsor: IEEE Electromagnetic Compatibility Society
Abstract Submission Deadline: 07 Dec 2007
http://www.apemc2008.org/

2008 IEEE Congress on Evolutionary Computation (CEC)
01 Jun - 06 Jun 2008
Conference Location: Hong Kong, China
Sponsor: IEEE Computational Intelligence Society
Abstract Submission Deadline: 01 Dec 2007
Final Paper Submission Deadline: 01 Mar 2008
http://www.wcci2008.org/

2008 5th International Conference on Service Systems and Service Vice Management (ICSSSM 2008)
30 Jun - 02 Jul 2008
Conference Location: Melbourne, Australia
Sponsor: IEEE Systems, Man, and Cybernetics Society
Abstract Submission Deadline: 01 Dec 2007
Final Paper Submission Deadline: 28 Feb 2008

2008 Joint Conference of the Opto-Electronics and Communications Conference (OECC) and the Australian Conference
07 Jul - 11 Jul 2008
Conference Location: Sydney, Australia
Sponsor: IEEE Lasers and Electro-Optics Society
Abstract Submission Deadline: 29 Feb 2008
Final Paper Submission Deadline: 29 Feb 2008
http://www.ieeeaustralia.com/OECC_ACOFT2008/call_oecc.html

What's Involved in Organizing an IEEE Conference
If your Section wants to organise a conference and you would like to know about the processes by which IEEE conference business is conducted, please visit:
http://www.ieee.org/web/conferences/organizers/index.html