Director’s Message

My first year as Region 10 Director is about to end. This year has been special because it was expected that all levels of IEEE activities would be badly affected by global economical downturn. However, it seems that IEEE has no relevance to this issue, because IEEE has surpassed the all-time record in total membership and 393,000 members are foreseen by this yearend. The region 10 total membership is expected to be 78,400.

This year was also special in another distinct way because it was the 125th Anniversary of IEEE. Region 10 had three official anniversary events, which were held at Bangalore, Beijing, and Tokyo under the support of IEEE Headquarters. Those events were successfully held and helped to increase IEEE visibility in those countries. Especially, at the event in Bangalore, about 700 participants got together and a number of distinguished guests were invited, including API Abdul Kalam, former President of India as well as John Vig, the President of IEEE.

It has been a very busy year for me. I’ve had 14 travels, including our EXCOM Meeting in Macao, Region 10 Meeting in Hanoi and three travels to participate 125th anniversary events. I have visited North America five times to attend four IEEE Board of Directors related meetings and the other was to attend the IEEE 2009 Conference on History in Philadelphia in order to give a presentation regarding the history of R10.

This year, the efforts of our EXCOM members achieved great results together with Sections’ contribution. We had the 125th Anniversary Region 10 Student Congress in Macao, Region 10 GOLD Congress in Bangalore, TENCON 2009 in Singapore, three technical seminars in Hanoi, Singapore and China. The Section and Chapter Coordinators toured to China to promote and encourage Section/Chapter activities. Only one subsection was created, but a large number of new Chapters and Student Branches were established. 60 Fellows are elevated from Region 10.

Just like Region 10 Past Director Janina Mazierska made an effort to send more Region 10 people to IEEE Committee members, I have also tried to recommend a number of people, but the detailed results have not been announced so far. However, it is very good news that Mini Thomas, Region 10 Student Activity Committee Chair, was elected to be MGA Vice Chair Member Development. I will considerably try to nominate suitable people to the IEEE Committees next year, too. As it is possible for any member to nominate a relevant person to the committee, I hope that more nominations will be made through sections.

Another good news is that Region 10 Student Branch teams accounted for four places of the top five in IEEE Xtreme Programming Competition 2009. It is a global 24 hours online contest where IEEE Student Branch teams solve a challenging set of programming problems. 700 teams from 40 countries in the world joined this competition. I congratulate all those teams who made great achievements.

The last good news that I’d like to share with you is the opening of IEEE India Office. After finishing India Initiative Project, IEEE decided to establish an office in India next year. It will be the third IEEE office within our region, following Asia-Pacific Office in Singapore and China Office in Beijing. The new office will give much more contribution to develop IEEE activities in India in the near future.

In closing, I would like to stress that I profoundly appreciate all the volunteers in Sections and Chapters as well as Region 10 EXCOM, for endeavours you showed in 2009. I wish you a Happy New Year in 2010.

Yong-Jin Park
Region 10 Director (2009-2010)
IEEE R10 NEWS

Professor Mini S. Thomas Elected as a Vice Chair and Member of the IEEE Member and Geographic Activities Board

Mini S. Thomas, Professor at Jamia Millia Islamia, New Delhi, India and R10 SAC has been elected as a Vice Chair and Board Member of the MGAB (Member and Geographic Activities Board) of the IEEE for 2010. Mini will hold a key position as the Vice Chair of Member Development (MD) in the MGAB. She will Chair the Member Engagement and Life Cycle committee (MELCC) of the MGAB and as the Vice Chair MD; Mini will coordinate and oversee the activities of six Global committees, the Admissions & Advancement committee, (A&A), Awards & Recognition (ARC) Committee, Life member committee, GOLD Committee, Students Committee, Pre University Committee and a few ad hoc committees of the MGAB.

Mini has been an active IEEE volunteer and is currently the Student Activities Coordinator (SAC) of the IEEE Asia Pacific Region for 2007-09 and will take over as the Vice Chair of MGA Board of the IEEE in 2010. She has initiated innovative activities in IEEE Asia-Pacific such as R10 GINI (Global Integrated Network of IEEE), Branch Counsellor’s Congress, Section Student Congress, IEEE Alumni meet, awards for Volunteers & Students etc. She was the General Chair of the hugely successful R10 Student Congress in Madras 2008 and IEEE 125th Anniversary Student Congress July 16 - 19th Singapore. Her enthusiastic volunteer work and leadership in the Asia-Pacific region will be a hard act to follow.

Mini has won IEEE MGA Innovation Award 2008, IEEE Power & Energy Delhi Chapter Outstanding Power Engineer Award 2008, IEEE R10 Outstanding Volunteer Award 2005, and IEEE Outstanding Branch Counsellor Award 2002 to name a few of the recognition from IEEE and fellow members.

Mini Shaji Thomas graduated from University of Kerala, completed her M. Tech from IIT Madras (both with gold medals) & PhD from IIT Delhi, India, all in Electrical Engineering. Presently Mini is Professor in the Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia (JMI), a prominent Central Government University in New Delhi, India. Her previous work experiences include Regional Engineering College, Calicut and Delhi College of Engineering, Mini received the prestigious ‘career Award’ for young teachers, Govt. of India. She has set up the first of their kind SCADA lab and Substation Automation Lab in JMI and also started a new M. Tech program in Electrical Power System Management. She has published more than 40 papers in Journals and Conferences of repute. Mini was the Head of the Department of Electrical Engineering and currently she is the Public Information Officer (PIO) of JMI, and is the coordinator of the special Assistance Program (SAP) on Power System Automation from UGC Government of India and other research projects.

R10 Students Dominate IEEEEXtreme 24-Hour Online Competition

With records breaking participation by nearly 700 teams from over 40 countries, the IEEEEXtreme 3.0 competition, held on 24 October 2009 was dominated by student’s teams from R10. They won the first three positions plus the fifth position. Two more student team from R10 were among the top 25 teams. The R10 winning teams’ names and details are:

**First Position**

**MORA SEEKERS**, IEEE Student Branch University of Moratuwa, Sri Lanka.
Team members: Lalinthi Polpitiya, Chethiya Abeyesinghe and Varuna Parinda Jayasiri

**Second Position**

**CITRUS CELEBRATION**, IEEE Student Branch University of Auckland, New Zealand
Team members: Ronald Chan, Itamar Amith, and Glen Robertson

**Third Position**

**AMOBEAR**, IEEE Student Branch at the Chulalongkorn University, Bangkok, Thailand
Team members: Saran Lertpradit, Pattara Sukprasert, and Vuttikai Sereewattanavut

**Fifth Position**

**KONOHANASAKUYA**, IEEE Student Branch, Tokyo Institute of Technology, Japan
Team members: Hisayori Noda, Keisuke Kishimoto and Mitsuhiro Shimoda

The team “Emertxe” from the Chulalongkorn University, Thailand won the 18th position and “Lorem Ipsum” from James Cook University of North Queensland, Australia was on 21st position. Please read the inspiring stories from the winning teams about the competition on page 29.

**2009 MGA Award Recipients**

IEEE MGA Board has announced the 2009 MGA Award recipients recognizing the accomplishments of candidates whose contributions encompass the vision, mission, and goals of MGA. The award recipients in R10 are:

**MGA Achievement Award**

Sampathkumar Veeraraghavan, Madras Section
For outstanding leadership and contributions toward the development and implementation of IEEE humanitarian projects with government and non-governmental organizations, which engage IEEE members and geographic units in India.

Zia Ahmed, South Australia Section
For enhancing the exchange of information between members and geographic units by increasing opportunities for collaboration through the Region 10 Newsletter.

**MGA GOLD Achievement Award**

Pui In Mak (R10), Macau Section
For outstanding contributions to global GOLD activities by implementing new strategies to recognize, support, and network GOLD members.

Timothy Wong (R10), Western Australia Section
For significant contributions and leadership in Region 10 and worldwide GOLD activities.
The Presidents’ Change the World Competition is here a second time.

Dear R10 Student Members,

Can YOU Change the World? Show us how and you can win US$10,000 and more!

The 2010 IEEE President's Change the World Competition is open to college and university students who demonstrate excellence in the development, design and implementation of technology that can solve a life challenge for the benefit of humanity. Past winning project included NanoLab: A Hand-Held Diagnostic Laboratory, Electronic Aids for Physically/Mentally Handicapped Children, Engineering Innovators Without Borders - Human Powered Grain Crusher, and many others who have had a positive impact on the world.

The competition’s goal is to recognize and reward individual students or teams of students who identify a real-world problem and apply engineering, science, computing and leadership skills to solve it. The contest offers students the perfect opportunity to have their ingenuity and enthusiasm for problem and apply engineering, science, computing and technology recognized by prestigious IEEE members around the globe.

Winners will receive awards ranging from the grand prize of US$10,000 and the distinction of being named "IEEE Student Humanitarian Supreme,” to runner-up prizes of $5,000, $2,500 and $1,000 awards. Winners of the top three prizes will also be invited to accept their awards in-person on 26 June 2010 at the IEEE Honors Ceremony in Montreal, Canada.

To learn more and register online please visit: http://www.ieeechangetheworld.org

Best wishes to all of you! Let's join together to change the world and make it a better place to live

Mini S. Thomas
R10 SAC

---

Thanks!

'Dr. Mini S. Thomas R10 SAC (2007-09) wishes to thank all the members of Region 10, especially the R10 Directors, R10 Excom members, Section & Council Chairs and dear student volunteers who supported her wholeheartedly during her tenure as R10 SAC and made all the SAC new initiatives, grand successes'.

---

Editorial note

Professor Mini Thomas has been a remarkable Students Activities Coordinator of Region 10. She is a very dedicated volunteer and a leader inspired as a role model by thousands of students.

Her support to the IEEE Region 10 Newsletter over the last three years has been tremendous. She always responded positively to my requests for information about students' activities, even when she was extremely busy with organizing mega events.

Thank you Mini, for your wonderful support to the IEEE Region 10 Newsletter!

Mini will be missed enormously by R10 EXCOM and students but the good news is that she will now be able to contribute to the IEEE vision in a much bigger way. We wish her all the best in her new endeavours.

Zia Ahmed
Editor

---

IEEE Elections & Region 10 Rewards for Voting

Dear IEEE Friends,

Results of the 2009 IEEE Elections have been computed. As you all know Moshe Kam will be the next IEEE President-Elect.

The voting percentage of Region 10 was 14.61%, which was lower than the world average of 15.26%. This is less than our last year result of 15.89%.

I promised a bonus to Sections with the highest voting percentage at the R10 meeting.

The winners of the bonus are as follows:

1st Highest Voting Percentage: Bangladesh Section (25%),
2nd Highest Voting Percentage: Philippines Section (24%), and
3rd Highest Voting Percentage: Vietnam Section (23%).

The above Sections are given $500, $300, and $200, respectively.

Congratulations to members of Bangladesh, Philippines, and Vietnam Section.

In 2010, the election of Region 10 Director-elect will be done together with IEEE President-elect. I would sincerely hope that we would see more members of Region 10 participate the 2010 election.

Yong Jin Park
Region 10 Director

---

The Presidents’ Change the World Competition 2009

IEEE Student Humanitarian Supreme Prize: U.S. $10,000
NanoLab: A Hand-Held Diagnostic Laboratory by students at Stanford University, California, USA: Drew Hall and Richard Gaster

IEEE Distinguished Student Humanitarian Prize: U.S. $5,000
Electronic Aids for Physically/Mentally Handicapped Children by students at B.V. Bhoomaraddi College of Engineering and Technology, India: Kartik Kulkarni, Laxman B. Nimbari, Suyash Ugare, Sagar Medikeri, Ajay Bhat, Sagar Karur, Kiran V. Soppimath, Radhakrishna M. Gotur, Pradeep B. Hanji, Ganesh M. Vallamadas, Ramachandra D. Patil, K. Vidyasagar, Gnanesh Upadhyay, Prakash S., Basavraj Sankeshwar, Khuram Syed, Reshma Desai, Om Gargatte and Shreya Raravi

Outstanding Student Humanitarian Prizes U.S. $1,000
AGROBOT - Robots in Agriculture by Nagendran Rajendra, Udumalpet, India
NIDAAN - An e-Healthcare Solution for the Under Privileged by Sumit Pandey, Gandhinagar, India
Information System on Human and Health Services (ISHHS) by Sampathkumar Veeraraghavan, Madras Section now at Medford, USA. Also winner of People's Choice Prize: U.S. $500

For full results please visit: http://www.ieeechangetheworld.org/
TENCON Announcement

The Philippines Section has been approved as the Host for TENCON 2012.

Student Design Competition

IEEE is sponsoring a Regional Student Design Competition for solutions to one of three humanitarian problems as part of the joint IEEE-United Nations Foundation Humanitarian Technology Challenge (HTC). The competition runs from Oct. 2009 to May, 2010.

The HTC Regional Student Design Competition challenges students to provide a working prototype, scale model or detailed engineering design specifications for a project that satisfies one of following three Challenges

Reliable Electricity:
Availability of electric power for lighting and other electronic devices in resource-constrained environments. Important for education, communications, and economic development.

Data Connectivity of Rural District Health Offices
Capability of exchanging data among remote field offices and central health facilities. Important for accessing treatment protocols, creating and monitoring health trends, and sharing results of treatments.

Individual ID Tied to Health Records
Consistent availability of patient medical records. Important for ongoing treatment of patients, especially migrants and those with long-term diseases.

The project can be developed by student individuals or by student teams. Projects must be submitted no later than May 28, 2010. The winning teams will be announced in late June. Winning teams will receive regional prizes and the opportunity to present their solution at an HTC Conference in 2010.

Student teams will be judged on the creativity and applicability of their design, completeness of their documentation, and quality of their presentation.

Rules for the Regional Student Design Competition are at www.ieeehtc.org/students.

For additional information about the HTC project, detailed descriptions of the challenges and how to become involved, visit the IEEE-HTC site www.ieeehtc.org.

Call for the R10 MMI & MIMI Awards Nominations

R10 Industry Liaison Committee is seeking applications of the following awards. More details are addressed in attached files. For further information and application forms, please visit http://www.ewh.ieee.org/reg/10/1LC/ILCMain.html

a) MMI Award: giving award to the Section which has the Most Members from the Industry
b) MIMI Award: giving award to the Section which has the Most Increasing Members from the Industry in one nearest year (2/1/2009 to 1/31/2010)

Deadline for Submission is 28 February 2010. Please return Application Form to: Dr. Jhing-Fa Wang, Region 10 Industry Liaison Coordinator by email: wangjf@mail.ncku.edu.tw

ATTENTION SECTION CHAIRS

In order to maintain viability and to ensure that all Geographic Units are meeting the needs of their members, each Unit is required to submit annual reports for the following items:

Meeting Activity: The minimum meeting requirements are 5 meetings for Sections and Subsections; 2 technical meetings for Chapters; 2 meetings for Affinity Groups. This information can be submitted online via the electronic L31 Meeting Report Form.

Current Officers: Please use the online Officer Reporting Form to report your new Officers within your Geographic Unit by 19 February 2010, in order to make sure that your Unit qualifies for the 10% rebate bonus.

Financial Activity: Each Region, Section, and Geographic Council Treasurer is responsible for submitting both the Bank Account Disclosure Form and the 2009 Financial Report for their Unit and any Subunits (Subsections, Chapters, and/or Affinity Groups) to IEEE as soon as possible, but not later than the following dates:

• 31 January 2010 - Submission of the Bank Account Disclosure Form
• 19 February 2010 - Submission of the 2009 Geographic Unit Financial Report (in order to qualify for 10% rebate bonus)
• 31 March 2010 - Submission of the 2009 Geographic Unit Financial Report (in order to receive the rebate).

The 2009 Geographic Unit Financial Report and instructions will be available in December, and links will be included in the December SCOOP. For questions regarding Officer reporting, please e-mail MGA Staff.

Norman Mariun
R10 Sections Coordinator
2009 R10 Awards & Recognition Committee

2009 activities of the Region 10 Awards & Recognition Committee (R10 ARC) were conducted according to the plan approved at the 2009 R10 Meet held in Hanoi on 28 February and 1 March this year, and is available on R10 Website at:

Main responsibility of the R10 ARC in 2009 was to conduct the following R10 Awards and Recognition Programs:

- **R10 Distinguished Large/Small Section Awards of the Year** - to recognize the excellent work of the Section in the prior year
- **R10 Outstanding Volunteer Award of the Year** - to recognize the excellent work and contribution of outstanding volunteer to the Section
- **R10 GOLD Award of the Year** - to recognize those substantive projects or achievements of a relatively short nature but which have left an undeniable imprint on the fabric of GOLD operations within Region 10

Details of the above awards and the R10 ARC are described in the Section 5.7 of the Region 10 Operations Manual which is available at the following website:

The results of the above R10 Awards and Recognition Programs in 2009 are as follows:

**2009 R10 Distinguished Large/Small Section Awards**

- Taipei Section was selected as the recipient of the 2009 R10 Distinguished Large Section.
- Kharagpur Section was selected as the recipient of the 2009 R10 Distinguished Small Section.
- Award Certificate and US$1,000 will be presented to Taipei and Kharagpur Sections at the 2010 R10 Meet to be held in Cebu on 27 and 28 February 2010.

Both Taipei and Kharagpur Sections were also nominated from R10 to participate in the MGA Outstanding Large and Small Section Awards Program, and Taipei Section was selected as the 2008 MGA Outstanding Large Section. A Plaque for this award will be presented to the Taipei Section at the 2010 R10 Meet.

**2009 R10 Outstanding Volunteer Award**

Five nominations were received. The following three members were selected as the recipients of this award:

- Ruey-Beei Wu (Taipei Section)
- Arun Agarwal (Hyderabad Section)
- Walter Lachs (New South Wales Section)

Ruey-Beei Wu will be invited to attend 2010 R10 Meet to be held in Cebu, Philippines where a certificate for this award is to be presented.

Award certificates for Arun Agarwal and Walter Lachs will be posted to Hyderabad Section and New South Wales Section, respectively, for presentation at an appropriate event of the Section.

**2009 R10 GOLD Award**

- One nomination was received. However, no recipient was selected this year.

I would like to thank R10 Sections for their interest and nominations this year. The 2009 R10 ARC appreciates the achievements and contributions of all nominees, although we could select only limited number of them as the award recipients.

I would also like to thank the members of 2009 R10 Awards & Recognition Committee for their hard work and a lot of fruitful discussions in the award selection process.

**Takatoshi Minami**

2009 IEEE R10 Awards & Recognition Committee Chair

**2009 Region 10 GOLD Activities Summary**

2009 has been a fruitful year. We got the revamped R10 GOLD website up and running
(http://www.ewh.ieee.org/reg/10/GOLD/whatIsGOLD.html/) Continuing on last year's effort in trying to promote formation of new GOLD groups in non-English-speaking locales, a Korean information flyer about GOLD has been produced and disseminated, adding to the Chinese and Japanese ones from 2008.

We have also started the effort to establish a regional GOLD Committee/Working Group, and improve coordination of GOLD activities within R10, through the clustering of GOLD affinity groups with similar operating environments, and according to geographical proximity. This can foster closer collaboration and experience sharing between GOLD groups, and provides a representative structure to form the working group without an unmanageable number of members (cluster coordinators can form part of the working group). I have decided to split clusters for different volunteer leads to minimise travel cost.

- Australia and New Zealand cluster - formed, first teleconference held Sep 09
- "Central time zone" (Hong Kong, Tokyo, Singapore, Malaysia) - work in progress
- South Asia (2 clusters) - work in progress, to start Dec 09

I have provided some general guidance to a proposal from Bangalore Section, India, to hold a GOLD Congress in Bangalore early Dec 2009. We intend to use this opportunity to launch the South Asian clusters.

A new GOLD affinity group has been formed in September in Hyderabad section, India. Last year's new addition, Tokyo GOLD, also successfully held its first event in July, a career development workshop for students and young professional members.

Local initiatives grants have been awarded to GOLD groups from Calcutta and Karachi Sections, to assist them in organising a computer vision workshop, a careers counselling event.

A few GOLD groups in R10, such as Victoria and Western Australia, have been able to tap into funding available from
Looking forward to next year, a GOLD humanitarian conference has been planned for Feb 2010 in Kerala Section, India.

I wish everyone a safe and enjoyable holiday season. See you in 2010!

Helene Ho-Ying Fung
R10 GOLD Coordinator

R10 Humanitarian Technology Activities

1. HTC Hour at the Student's Meet in Singapore July 17th 2009

During the IEEE R-10 Student's Congress in Singapore organized by the Singapore and Chengannor IEEE Student's Branches, HTC had a program called "HTC Tech Hour". Dr. Richard Gowan, President IEEE Foundation attended the program. He delivered a keynote speech, calling for the student engineers to work for the betterment of humanity.

Four selected students presented their projects on humanitarian activities, which were of good humanitarian value and the work done is to be appreciated. The project name and the students who presented it are as follows:

- Mr. Imran Ali - Paddy Field Water Regulation System
- Mr. Mohit Virmani - Aarogya: A Centralized Health Portal
- Mr. Prakash.S. - ADITYA - Empowering Village with Solar Energy
- Mr. Kesavaraju Parikshit Sagar - Deep Rescue.

2. India Initiative Humanitarian Technology Conference

IEEE India Initiative, a group looking at developing IEEE membership in India, conducted an HTC Conference "Technologies for Humanitarian Challenges" which was held at Bangalore on 28th August 2009.

Dr. Richard Gowan, Dr. L. Lewis Terman (President 2008 IEEE), Dr. John Vig (President IEEE) and other dignitaries attended the conference and shared their valuable views and suggestions.

A Poster display by NGOs use of Technology was the highlight of the conference. Dr. Anil Roy and Dr Ragachar Kasturi were the co-chairs of the conference.

3. Meeting at Washington

A three-day workshop on Humanitarian Technologies was conducted at Marriott Hotel, Washington to arrive at solutions for the three main challenges that IEEE is looking at. The meeting decided to pilot solutions and sites are being chosen throughout the world for this purpose.

4. IEEE R-10 GOLD Conference on "HTC" is being planned for February 2010 in Trivandrum, Kerala. The conference intends to bring together NGOs, other civil society organization and the IEEE in an effort to create, local forums where the two can interact, effectively.

5. Students Project Design Competition

IEEE HTC is organizing a regional competition named "Regional Student Design Project" which started out in October 2009, and will conclude in May 2010. The aim of this competition is to foster the young talents and to identify a detailed engineering design specification, which will satisfy one of the three HTC challenges. The IEEE HTC Steering Committee will provide prize and award support for each IEEE Region, with specific prizes and team recognition categories to be announced in February. For more information on this please visit: http://www.ieeehtc.org

Amarnath Raja
R10 Humanitarian Technology Activities Coordinator

A Joint Report from R10 Section and Chapter Coordinators

Prof Norman Mariun, R10 Section Coordinator and Mr Deepak Mathur R10 Chapter Coordinator visited Beijing, Xi’an and Shanghai in China from 26 October to 31 October 2009. The purpose of the visit included: (a) to assist the Sections and Chapters to understand the goals of IEEE and Region 10 (b) to ensure that Sections and Chapters officers understand their roles and responsibilities (c) to share good practices and activities by successful Sections and Chapters in the Region and hence motivate them to promote new Chapters/Joint Chapters formation by identifying the potential technical societies where adequate number of members already exists for establishing new Chapters/Join Chapters.

The Beijing visit began on Monday Oct 26, with a lunch meeting with Dr Ning Hua, Chief Representative China Office and Dr Zhisheng Niu Director of IEEE Communication Society and R10 MDC. Various issues were discussed especially relating to membership development in China (what is the average percentage of increment annually?). Strategy is being developed with IEEE HQ for future development of membership in China.
After lunch, the two R10 Coordinators and Dr Hua proceeded to the IEEE China Office where 10 volunteers attended the meeting with many questions concerning the running of Section, Chapter and Student Branches. Issues on funding from the IEEE, Region and Section were also raised. In the evening a meeting over dinner was held with Prof Zhou Mengqi, Chair China Council and Prof Liao Fujiang, Chair Beijing Section. It was a delightful dinner with many discussions pertaining to the management and responsibilities of the Section and Council. The two R10 coordinators shared some good practices of successful Sections like Singapore, Malaysia and Gujarat. Inactive Chapters in Beijing Section were pointed out to the China Council and Beijing Section Chairs so that these Chapters can be reactivated. It was also emphasized that there are lot of potential in Beijing Section for formation of new Chapters, the list of Societies with adequate number of members for formation of new Chapters was handed over to Beijing Section Chair.

The next day, the 2 R10 coordinators and Dr Hua flew to Xi’an and were received by the Section representative Mr Shen He at the hotel. The meeting with the Section, Chapter and Student Branch representatives was arranged the following day, Wednesday 28 October 2009.

A very successful meeting with the Xi’an Section was held on 28 October at the Northwestern Polytechnical University. After a welcoming and briefing by the Section Chair Prof Jianguo Huang, two R10 Coordinators presented again best practices to run a Section, Chapter and Student Branches and shared with Section representatives the examples of activities carried out by successful Chapters including administrative, technical, educational, social and innovative initiatives. The potential Chapters to be formed were also identified and pointed out to the Section officers. It was observed that there is a big potential in the Section to form more Chapter, as Society members already exist in the Section with more than 12 members.

In the evening another meeting was organized over dinner with the Section Chair, ComSoc Chapter Chair Prof Jiandong Li, the EDS Chapter Chair Yimen Zhang and other Section representatives. The discussions remained focused on Chapter activities and how to make them more active. Reporting of activities via L31 form on-line was also emphasized to ensure that there is no inactive Chapter under the Section.

On the following day the first meeting in Shanghai was organized over dinner by the Shanghai Section Chair Prof Junfa Mao with Prof Jozef Modelski Region 8 Director and Past President of IEEE MTT Society, and Prof Ke Wu Chair of the IEEE MTT-S Transnational Committee. The discussion was centered on IEEE activities in general and exchanges of experience at Regional, Section and Chapter level.

The meeting with the Shanghai Section was held on Saturday, 31 October 2009 at the Shanghai Jiao Tong University, which was very well attended by Chapter Chairs and representatives, as well as students. The meeting started with welcoming address and a briefing by the Section Chair Prof Junfa Mao and followed by presentations by the R10 Section and Chapter Coordinators. Prof Jozef Modelski presented IEEE in general and MTT Society activities. He also shared the good practices in Region 8 such as R8 Executive Committee having their meetings at Sections which are remote from central Europe. In this way the local Section gets to know more about the IEEE regional operation.

In the following session Prof Ke Wu, Chair IEEE MTT-S Transnational Committee and Prof Quan Xue, the IEEE MTT Section, Chairs and Students. The efforts of R10 representatives were appreciated by these Sections and they promised to make their Sections and Chapters active and growing. Dr Ning Hua also assured for all necessary support for the growth of IEEE in China.

Prof Norman Mariun, R10 Section Coordinator Deepak Mathur, R10 Chapter Coordinator

IEEE R10 Educational Activities Coordinator

R10 Education Activities Committee received and approved 21 proposals for educational activities in 2009 as compared to 18 projects in 2008. These proposals were from 12 Chapters and Sections in 5 countries. Many R10 funded activities have been completed successfully, most of the activities happening...
in India with projects from Calcutta, Gujarat, Hyderabad, Kerala, and Madras Sections.

EAC budget for 2009 was proposed during the R10 Annual Meet and later revised and approved as given in the table below. The 2010 budget is expected to be close to 2009 but the “Accreditation Program” may be dropped.

<table>
<thead>
<tr>
<th>No</th>
<th>Activity</th>
<th>Budget (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Technical Educational Program</td>
<td>3,000</td>
</tr>
<tr>
<td>2</td>
<td>Soft Skill Educational Program</td>
<td>1,500</td>
</tr>
<tr>
<td>3</td>
<td>Accreditation Program</td>
<td>500</td>
</tr>
<tr>
<td>4</td>
<td>TISP Program</td>
<td>500</td>
</tr>
<tr>
<td>5</td>
<td>Awards</td>
<td>200</td>
</tr>
<tr>
<td>6</td>
<td>EAC Meeting</td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>6,700</td>
</tr>
</tbody>
</table>

A country that did not request for the funding but had conducted several new educational activities is Thailand. With new EAC coordinator, new Student Branches were established and more are planned.

This new Student Branch entered 11 teams to compete in the IEEEExtreme programming competition 2009 and won 3rd place in the world.

R10 EAC Coordinator worked closely with Thailand Section and engaged in IEEE 125th anniversary celebration held on November 26 - 27, 2009. R10 Chair YJ Park appointed R10 EAC Coordinator to attend the event and speak on his behalf.

It is planned to announce R10 EAC call for proposals in December in order to finalise it before 2010 annual R10 meeting in Philippines.

Proadpran P. Punyabukkana  
Chair, R10 Education Activities Committee

R10 Technical Activities Coordinator

In 2009 we selected a number of fine technical seminars and supported them based on the applications. These seminars were:

27-Feb, 2009 at Hanoi University of Technology, Vietnam, organizer: Ta Cao Minh, Hanoi University of Technology

Talks & Speakers:
1. “Leadership Skills in the IEEE”, Joseph V. Lillie, Vice President, IEEE Member and Geographic Activities, AT&T, USA
2. “e-Science and Research & Education Networks Development”, Yong-Jin Park, Director IEEE R10, Hanyang University, Korea
4. “Women in Engineering and Technology for Human Welfare”, Marimuthu Ramalatha, R10 Women In Engineering Representative, Anna University, India
5. “Artificial Intelligence and Its Applications in Industry”, Marzuki Khalid, Technical University of Malaysia, Malaysia

18-Jul, 2009 at the National University of Singapore, organized by Ang Marcelo H. Jr., National University of Singapore and the number of attendees were 179.

Talk & Speaker: “Mechatronics: A Status Report and Future Prospects”, Prof. Masayoshi Tomizuka, University of California, Berkeley, USA.

25-Jul, 2009 Dhirubhai Ambani Institute of Information and Communication Technology, India, organized by Anil Roy, DA-IICT and attended by 172.

Talks & Speakers:
1. “Emerging Research Opportunities: India’s Perspective”, Prof. S. C. Sahasrabudhe, Director, DA-IICT, Gandhinagar
2. “Emerging Challenging Research Opportunities in Communication Engineering”, Prof. S. L. Maskara, Dean, Jaypee Institute of Technology, Noida
3. “Panoramic Mosaicing and Video Geo registration – Advanced Technologies of Computer Vision”, Dr. Jharna Majumdar, DRDO, Bangalore
5. “Green Energy – Challenges and Opportunities”, Prof. N. D. Jotwani, Director, School of Solar Engineering, Gandhinagar
7. “Geometrics - New horizons and open challenges”, Prof. Arup Dasgupta, Distinguished faculty, BISAG, Gandhinagar
10. "Managing Research and Technology", Prof. T. P. Ramarao, IIM Ahmedabad


10-Aug, 2009 at Changchun University of Science and Technology, China, organized by Huadong Yu, Chengchun University of Science and Technology and Shuxiang Guo, Kagawa University. There were 50 attendees at the seminar.

Talks & Speakers:
1. "Hyper Human Robotics", Prof. Makoto Kaneko, Osaka University, Japan
2. "From Ancient Machines to Intelligent Robots", Prof. Volker Graefe, Bundeswehr University Munich, Germany
3. "Micro Robotics and Its Application to Desk Top Bio Plant", Prof. Tatsuo Arai, Osaka University, Japan

23-Oct, 2009 at Waseda University, Japan, organized by Hidenori Nakazato, Waseda University. The number of attendees were 74.

Talks & Speakers:
1. "The State of IEEE", Dr. John Vig, IEEE President
2. "Consideration on R&D for future ICT", Dr. Toshitaka Tsuda, IEICE President-Elect
3. "Outlook and Vision of Broadband Wireless Communications" Dr. Iwao Sasase, Keio University, Vice Chair of IEEE Communications Society Japan Chapter
4. "Network Technology ---Present and Future ---", Dr. Koichi Asatani, Kogakuin University, IEEE Fellow, Distinguished Lecturer

6. "ICT Activities with an Aim of Realizing Low-Carbon Society", Dr. Takuro Sato, Waseda University

Unlike the conventional colloquium in the past, this attempt to hold seminars was the first time in the IEEE Region 10. I appreciate your active supports to the IEEE technical activities in conjunction with many events in the Region 10. These activities are useful for the dissemination and exchange of the current advanced technologies and system to the IEEE members in R10. I hope this initiative will encourage more advancement and innovation of the technologies among the IEEE members and also bring more members in Region 10 to join IEEE, so that we can share the current cutting edge technologies together for the further better education and research development.

Toshio Fukuda, R10 Technical Activities Coordinator

R10 Industry Liaison Committee

This year we cosponsored with IEEE Xi’an Section the Symposium on IT Advances in 21st Century to celebrate IEEE 125th Anniversary in Xi’an on Sept. 21, 2009. Another activity was to cosponsor with IEEE Taipei Section and Seoul Section the 14th North-East Asia Symposium on Nano, Information Technology and Reliability (NASNIT 2009) in Taiwan, May 2009. Additionally, we also helped to host ISCAS 2009 in Taipei, Taiwan in May 2009, which received 1631 submitted papers from 49 counties and accepted 734 papers with 892 registrations. For the next activity, we are planning to launch an IEEE R10 Industry Day in 2010, which is similar to one held by Region 1, to enhance the IEEE and Industry relationship in Region 10.

R10 Industry Liaison Committee confers R10 Industry Liaison Awards by seeking awards nominations and applications from R10 Councils and Sections. All councils and sections are encouraged to nominate or apply for following awards:

- IEEE Region 10 Milestone Award: for outstanding technical achievement.(For the deadline please check R10 website)
- IEEE Region 10 Academia-Industry Partnership Award: for outstanding academia-industry collaboration which has contributed to revolutionary technology progress. (For the deadline please check R10 website)
- MMI Award: to the Section which has the members from the industry. (Deadline: Feb. 28, 2010)
- MIMI Award: to the section which has the most increasing members from the industry in one nearest year (Feb 2009 to Jan 2010). (Deadline: Feb. 28, 2010)

For further information, please visit:
http://ewh.ieee.org/reg/10/ILC/ILCMain.html

Dr. Jhing-Fa Wang
R10 Industry Liaison Coordinator
As many of you have already noticed, Region 10 website went through extensive remodeling. In this article, I, as the Electronic Communication Coordinator, would like to give a guide to our website.

First of all, our top page contains more information, in particular announcements and new information on the website. The blue band under the “REGION 10” title gives link to other pages on and off our site.

Currently our site has the structure shown in the right side of this page. There are few web pages I would like to note.

- Now most of the Region 10 EXCOM members have their own pages. They can be found under “Regional Activities” tag.
- “Volunteer Dashboard” collects links to tools that can help IEEE volunteers.
- “Section Map”, that can be found under “About Us” tag, provides the geographical location of Sections in addition to links to the home pages of the Sections.
- “Operations Manual”, that can be found under “About Us” tag as well, is now updated.

I hope the information provided in our website is useful to all IEEE members as well as to volunteers in Region 10. I will welcome any suggestion to improve our site. If you have suggestions and, of course, announcements to be delivered to Region 10 members, please let me know.

Hide nori Nakazato
R10 Electronic Communications Coordinator
IEEE Fellows Elevated as of January 2010

Heartiest Congratulations to our 2010 Class of IEEE Fellows!

Note: Fellows are listed by their business addresses and under their preferred Sections.

Australian Capital Territory Section

Mr. Athman Bouguettaya
CSIRO (Commonwealth Scientific and Industrial Research Organization), CT Center, CSIRO
CS&IT Building (Building 108)
Acton, ACT, 2601, Australia
for contributions to large scale autonomous and heterogeneous databases and service-oriented computing

Mr. Richard Ian Hartley
Australian National University
Department of Information Engineering, Building 115
Research School of Info. Science and Engrg.
Canberra, ACT, 2000, Australia
for contributions to computer vision industrial applications

Bangalore Section

Mr. Shikumar Kalyanaraman
IBM India Research Laboratory, Room EGD-3D-430, Block D, 3rd Floor
Embassy Golf Links Business Park, Inner Ring Rd, Domlur, Bangalore, Karnataka, 560071, India
for contributions to traffic management in computer communication networks

Beijing Section

Mr. Wenwu Zhu
Microsoft Corporation
Microsoft Research, 3F Beijing Sigma Center
49 Zhichun Road, Haidian District
Beijing, 100190, China
for contributions to video communications over the internet and wireless

Mr. Baining Guo
Microsoft Research Asia, 5/F Beijing Sigma Center, 49 Zhichun Road,
Haidian District, Beijing, 100080, China
for contributions to surface modeling and rendering in computer graphics

Mr. Yong Rui
Microsoft China Research and Development
49 Zhichun Road
Sigma Center, Haidian District
Beijing, 100090, China
for contributions to image and video analysis, indexing and retrieval

Mr. Frank K. Soong
Microsoft Research, 5F, Beijing Sigma Center, 49 Zhichun Road
Haidian District, Beijing, 100080, China
for contributions to speech processing

Daejeon Section

Mr. Chang-Hee Lee
Korea Advanced Institute of Science and Technology (KAIST), Electrical Engineering Department
373-1 Guseong-dong, Yuseong-gu
Daejeon, 305-701, S. Korea
for contributions to wavelength division multiplexed-passive optical network

Delhi Section

Mr. Shibani Koul Koul
Indian Institute of Technology Delhi
Centre for Applied Research in Electronics
I.I.T Delhi, Hauz Khas
Delhi, 110016, India
for contributions to analysis and design of microwave and millimeter wave components and circuits

Mr. Ashwini Kumar Nanda
HPC Research Inc
B-100, Ground Floor
Gulmohar Park
New Delhi, 110049, India
for leadership in high performance computer systems

Mr. Bhim Singh
Indian Institute of Technology, Delhi
Professor, Department of Electrical Engineering
New Delhi, 110016, India
for contributions to active power filters and multipulse AC-DC converters

Mr. Vishwanath Sinha
The LNM IIT Jaipur
Rupa-ki-Nangal
P.O.: Sume1, Via: Jamdoli
Jaipur, Rajasthan, 302031, India
for contributions to electrical engineering education

Fukuoka Section

Mr. Kiyotoshi Yasumoto
Kyushu University
Dept. of Computer Science & Communication Eng.
744 Motoo, Nishi-ku
Fukuoka, Kyushu, 819-0395, Japan
for contributions to electromagnetic wave scattering and wave guiding

Hiroshima Section

Mr. Takamato Kikkawa
Hiroshima University
Research Institute for Nanodevice and Bio Systems
1-4-2 Kagamiyama, Higashi, Hiroshima, 739-8527, Japan
for contributions to interconnect technologies for integrated circuits
Hong Kong Section

Mr. Ping Li
City University of Hong Kong
Department of Electronic Engineering
Hong Kong, China
for contributions to iterative signal processing, multi-user detection and concatenated error control codes

Mr. John C. S. Lui
The Chinese University of Hong Kong
Department of Computer Science & Engineering
Shatin NT, Hong Kong, China
for contributions to performance modeling and analysis of storage communication systems and peer-to-peer networks

Mr. Long Quan
The Hong Kong University of Science and Technology
Department of Computer Science and Engineering
Clear Water Bay, Kowloon, Hong Kong
for contributions to three-dimensional computer vision

Kansai Section

Mr. Kazutami Arimoto
Renesas Technology Corporation
4-1 Mizuhara
Itami, Hyogo, 664-0005, Japan
for development of high-density dynamic random access memory and embedded memory

Mr. Hiroyuki Hamada
Mitsubishi Electric Corporation
Switchgear Dept., Trans. & Dist. Systems Center
8-1-1, Tsukaguchi-Hommachi
Amagasaki, Hyogo, 661-8661, Japan
for contributions to compact and reliable high-voltage equipment

Mr. Yutaka Hata
University of Hyogo
Graduate School of Engineering
2167 Shosha
Himeji, Hyogo Prefecture, 671-2280, Japan
for contributions to fuzzy logic based image processing in biomedical informatics

Mr. Yasujiro Omura
Kansai University
3-3-35, Yamate-cho
Suita, Osaka, 564-8680, Japan
for contributions of silicon on insulator devices technology, analysis, and modeling

Kansai Section

Mr. Nobukazu Teranishi
Panasonic Corporation
Image Sensor Business Unit (MS 682-433)
1 Kotari-yakemachi
Nagaokakyo, Kyoto, 617-8520, Japan
for contribution to the development of charge-coupled device image sensors

Nagoya Section

Mr. Tadashi Matsumoto
Japan Advanced Institute of Science and Technology
4-16-17 Kami-Imaizumi
Ehime, Kanagawa, 243-0431, Japan
for contributions to signal processing for wireless communications

Mr. Miinoru Yamada
Kanazawa University
School of Electrical and Computer Engineering
College of Science and Engineering
Kanazawa, 920-1192, Japan
for contribution to semiconductor laser theory and development of low-noise semiconductor lasers for disc applications

New South Wales Section

Mr. Benjamin John Eggleton
School of Physics, University of Sydney
NSW 2006, Australia
for contributions to the development and applications of Bragg gratings and other periodic structures in optical fibers

New Zealand North Section

Mr. Nikola Kirilov Kasabov
Auckland University of Technology
Knowledge Eng. and Discovery Research Institute (KEDRI), 7th floor,
350 Queen Street, Auckland, 1010, New Zealand
for the applications of neural networks and hybrid systems in computational intelligence

Sendai Section

Mr. Jun-ichi Kushiwaki
Tohoku University
Department of Electrical Engineering
6-6-05 Aramaki Aoba, Aoba-ku
Sendai, Miyagi, 980-8579, Japan
for contributions to ultrasonic metrology and acoustic microscopy

Mr. Motoyuki Sato
CNEAS, Tohoku University, Kawauchi Campus
Dist. Professor & Director
41 Kawauchi, Aoba-ku
Sendai, Miyagi-ken, 980-8576, Japan
for contributions to radar remote sensing technologies in environmental and humanitarian applications

Seoul Section

Mr. Rhee Jin Koo
Dongguk University
Dept. of Electronics Engineering
3-26 Phil-dong, Chung-gu
Seoul, 100-715, Korea
for contributions to Gallium Arsenide, Microwave and Millimeter-wave Monolithic Integrated Circuits

Mr. Seong-Whan Lee
Korea University
Anam-dong, Seongbuk-ku
Seoul, 136-713, Korea
for contributions to pattern recognition for biometrics and document image analysis

Shanghai Section

Mr. Howard C. Yang
Montage Technology Co. Ltd.
1720 Hong Qiao Road, Lane 9, Suite 10EF
Shanghai, 200336, China
for leadership in mixed-signal integrated circuit design and manufacturing
Singapore Section

Mr. Pooi Yuen Kam  
National University of Singapore  
Department of Electrical and Computer Engineering  
Singapore, S119260, Singapore  
for contributions to receiver design and performance analysis for wireless communications

Mr. Changyun Wen  
Nanyang Technological University  
School of Electrical and Electronic Engineering  
Singapore, 639798, Singapore  
for contributions to adaptive control, switching and impulsive systems

Mr. Yue Ping Zhang  
Nanyang Technological University  
School of EEE, Block S2  
50 Nanyang Avenue  
Singapore, 639798, Singapore  
for contributions to integrated antennas and subsurface radio

Tainan Section

Mr. Gary W. Chang  
National Chung Cheng University  
Department of Electrical Engineering  
Chia-Yi, 62105, Taiwan  
for contributions to power system harmonics and interharmonics

Mr. Hsiao-Hwa Chen  
National Cheng Kung University  
Department of Engineering Science  
1 Da-Hsueh Road, Tainan, 70101, Taiwan  
for contributions to radio resource allocation in code division multiple wireless systems

Mr. Wood-Hi Cheng  
National Sun Yat-sen University  
Department of Photonics  
Kaohsiung, 80424, Taiwan  
for contributions to high-speed semiconductor lasers and photonic package technology

Taipei Section

Mr. Long-Sheng Fan  
National Tsing Hua University  
7103 Martwood Way  
San Jose, CA, 95120, USA  
for contributions to Micro Electro-Mechanical Systems

Mr. Powen Hsu  
National Taiwan University  
EE2-544, Department of Electrical Engineering  
Taipei, 106, Taiwan  
for leadership in electrical engineering education

Mr. Ching-Wen Hsue  
National Taiwan Univ. of Science & Technology (NTUST)  
43 Keelung Rd., Section 4  
Taipei, 106, Taiwan  
for contribution to discrete-time signal processing in microwave engineering

Mr. Wanjiun Liao  
National Taiwan University  
EE Department  
No. 1, Sec. 4, Roosevelt Road, BL-422  
Taipei, Taiwan  
for contributions to communication protocols in multimedia networking

Mr. Chih-Min (Jimmy) Lin  
Yuan Ze University  
Department of Electrical Engineering  
No.135, Far-East Road, Chung-Li, Tao-Yuan  
Chung-Li, 320, Taiwan  
for contributions to fuzzy system, neural network, and cerebellar model articulation controllers

Mr. Ching-Fuh Lin  
National Taiwan University  
Graduate Institute of Photonics and Optoelectronics  
1, Section 4, Roosevelt Road  
Taipei, 10617, Taiwan  
for contributions to broadband semiconductor optical devices

Tokyo Section

Mr. Shigehisa Arai  
Quantum Nanoelectronics Research Center  
Tokyo Institute of Technology  
S9-5, 2-12-1 O-okayama  
Meguro-ku, Tokyo, 152-8552, Japan  
for contributions to single-mode semiconductor lasers for optical communications

Mr. Isamu Chiba  
Mitsubishi Electric Corporation  
5-1-1 Ofuna  
Kamakura, Kanagawa, 247-8501, Japan  
for leadership in high precision phased array antenna systems with digital signal processing
Mr. Masashi Horiguchi  
Renesas Technology Corp.  
5-20-1, Josunohon-cho  
Kodaira-shi, Tokyo, 187-8588, Japan  
for contributions to circuit technologies for high-density low-power memories

Mr. Yoshio Karasawa  
The University of Electro-Communications  
Department of Electrical Engineering  
1-5-1 Chofugaoka  
Chofu, Tokyo, 182-8585, Japan  
for contributions to the measurement and modeling of propagation effects in radio communication systems

Mr. Yasuo Kokubun  
Yokohama National University  
Graduate School of Eng., Dept. of Electronics & CE  
79-5 Tokiwadai, Hodogaya-ku  
Yokohama, 240-8501, Japan  
for contributions to integrated photonic devices

Mr. Fumio Okano  
NHK (Japan Broadcasting Corporation)  
Science & Technical Research Laboratories  
1-10-11, Kinuta, Setagaya-ku  
Tokyo, 157-8510, Japan  
for contributions to high resolution three-dimensional television

Mr. Tadashi Takenaka  
Tokyo University of Science  
2641 Yamazaki  
Noda, Chiba-ken, 278-8510, Japan  
for research on properties and applications of lead-free piezoelectrics and ferroelectric ceramics

Mr. Shumpei Yamazaki  
398 Hase  
Atsugi, Kanagawa, 243-0036, Japan  
for contributions to, and leadership in the industrialization of non-volatile memory and thin film transistor technologies

Mr. Yuzo Yoshikuni  
Kitasato University  
School of Science  
Sagamihara, Kanagawa, 228-8555, Japan  
for contributions to semiconductor lasers and integrated optical devices

Victorian Section  
Mr. Darryl Neil Veitch  
The University of Melbourne  
Dept. of Electrical & Electronic Engineering  
Parkville, Victoria, 3010, Australia  
for contributions to measurement, estimation, and characterization of internet traffic and performance

Zhejiang Subsection  
Mr. Xiangning He  
Zhejiang University  
College of Electrical Engineering  
Hangzhou, Zhejing, 310027, China  
for leadership in establishing a power electronics research institute in China
IEEE Japan Council & Tokyo Section
IEEE 125th Anniversary Celebrations in Tokyo

This year, IEEE is commemorating its 125th anniversary with a variety of activities including the global series of eight IEEE 125th anniversary celebrations launched in Munich this April. In closing this anniversary celebrations series, the final event was held on 23 October at the Level XXI Tokyo, Japan, with a program of keynotes and a reception co-hosted by the IEEE and IEEE Japan Council. A total of 200 members, students, customers and friends turned out for the premiere event. In this ceremony, Dr. Toshiharu Aoki, IEEE Japan Council Chair, Prof. Yong-Jin Park, IEEE R10 Director, and Dr. John Vig, IEEE President & CEO gave addresses. After a speech by a science communicator from National Museum of Emerging Science and Innovation (Miraikan) for introducing their activities in Miraikan, the keynote presentation was given by Dr. Mamoru Mohri, Astronaut and Chief Executive Director of the National Museum of Emerging Science and Innovation. His impressive speech based on his experiences as the first Japanese astronaut onboard the Space Shuttle was a strong and clear message for building sustainable earth and future human society.

Following the general program, the special reception was held for media, IEEE fellows, students, academia, distinguished technology industry professionals and customers at the same location. In the reception, IEEE WIE Affinity Group of the Year Award was presented to Dr. H. Kunii of WIE Japan Chair by Dr. J. Vig. Also, winners for "Career Development Essay Contest" were presented, which had been jointly conducted by IEEE WIE Japan and IEEE Tokyo GOLD to celebrate the 125th Anniversary of IEEE.

IEEE Hong Kong Section
IEEE 125th Anniversary Banquet

The formation of IEEE Hong Kong Section was approved by IEEE on 14 December 1971. Prof. W. S. Leung of the University of Hong Kong was then the Interim Chairman. At the time, there were 175 IEEE members and was increased to 252 members in by the end of 1972.

The current SAMIEEE database shows that there are total 2,528 IEEE members in Hong Kong Section, including 57 Affiliates, 75 Associate Members, 54 Fellows, 1,814 Members, 250 Senior Members and 278 Student Members.

We have 18 Chapters representing 25 out of 38 IEEE
Societies. Thanks to the Chapter volunteers, there are round 4–7 small conferences held each year in HK.

The GOLD (Graduate Of Last Decade) and the WIE (Women in Engineering) Affinity Group are very active and providing non-technical functions to our members.

Hong Kong Section has long history and experience organizing IEEE Conference. Dated back in 1982, the Region 10 Conference was held in Hong Kong. Major conference includes the TENCON 90 (480 registrations), TENCON 95 (450 registrations), ISCAS 97 (900 registrations), ICA SSP 2003 (1,200 Registrations but was cancelled due to SARS two weeks before the conference) and WCCI2008 (1,600 registrations). Thanks to the large volunteer team in Hong Kong Section who have devoted their valuable time from their busy schedule making all these conferences successful without and hitch.

In celebrating the IEEE 125 Anniversary, an Anniversary Banquet was held on 21 August 2009 (Friday) in the Ball Room, Royal Plaza Hotel. Total 270 delegates joined the Banquet. They included the volunteers and companions of Hong Kong Section and 50 delegates are from the Anti-Counterfeiting, Security and Identification in Communication Conference (ASID).

The Banquet started by a traditional Chinese Lion Dance with the Section Chair Dr. David Chan, ASID Conference Chair Prof. K M Luk and Mr. Y W Liu dotting the eyes of the Lion. In the middle of the dinner, the Section presented a gift to the newly elected Hong Kong Fellows. Dignities joining the Banquet included Dr. W S Leung (HK Section founding Chair), Dr. Nim Cheung of ASTRI, Legislative Councillor Samson Tam and Dr. Paul Cheung.

The CAS/COM Joint Chapter is one of the very active Chapters in Hong Kong Section and has good experience in organizing IEEE conferences since inauguration in 1988. The ASID Conference is the third one in this series, first one held in Xiamen, China in 2007 and the second one in Guiyang, China in 2008.

The ASID 2009 Conference was organized by the IEEE HK CAS/COM Joint Chapter, the City University of Hong Kong, the Xiamen University and the Guizhou Normal University. The IEEE Communications Society was the technical sponsor and it is also supported by IEEE Asia Pacific Region, R10.

Within only three years of time, the conference is becoming popular and bringing scholars, researchers and engineers together from academia and industry to share their research findings and exchange new ideas and thoughts. Especially for the research students in Mainland China, Hong Kong is a very convenient and less expensive venue to them to publish their research result. This year close to 70% of papers were from China.

There was overwhelming response to the 2009 ASID from 17 Countries world wide, with a total of 235 papers submitted to the Conference for review. The final number of papers listed in the Proceedings and presented at the two-day Conference was 152.

We were pleased to have Nirwan Ansari, Professor of Electrical and Computer Engineering, Newark College of Engineering, New Jersey Institute of Technology and Chair of IEEE COMSOC Technical Committee on Ad Hoc and Sensor Networks to present the first keynote speech entitled: “Beware of the Perfect Storm”. The second keynote speech was presented by Prof. Xiaoyao Xie, Vice-President of the Guizhou Normal University on “The Research and Application of Guizhou Freeway’s Bridge Health Monitoring”.

Through its global membership, the work of IEEE Society members, including production of meetings and conferences, publications, educational programs and other activities, has been vital to advancements in technology over the past century. Members rely on IEEE as a source of technical and professional information, resources and services. We are proud of that the ASID 2009 is one of its 125th anniversary celebrating activities.
In concluding, we wish you all to enjoy the Section services and great technical and non-technical programs from IEEE. You are urged to stay tune with the news from IEEE and Hong Kong Section.

YW Liu
IEEE Hong Kong Section

---

IEEE Seoul Section

The 14th North-East Asia Symposium on Nano, IT and Reliability (NASNIT 2009) for the Celebration of IEEE 125th Anniversary

The 14th North-East Asia Symposium on Nano, IT and Reliability (NASNIT 2009) was held on 15 - 16 May 2009, at National Chiao Tung University (NCTU), Taiwan. This symposium was supported by Hynix Semiconductor, Samsung SDS, GMT Cybernetics and especially by R10 EAC for the Celebration of IEEE 125 Anniversary. For the four professional technology organizations, IEEE Seoul Section, Taipei Section, Tainan Section and Fukuoka Section, this symposium is of great significance for the academic exchange by presenting their researched works.

The symposium started with the opening ceremony by Professor Chin-Teng Lin, the Chair of the IEEE Taipei Section. The symposium was composed of two major segments: Electronics segment and Computer segment. Each segment was also divided into oral presentation and poster presentation, which proceeded simultaneously. The major presented themes were Nano-semiconductor, Next Generation Mobile Communications and Intelligent Displays. There were 60 contributed papers from seven countries namely Korea, Taiwan, Japan, India, China, USA and Ukraine. The 14th North-East Asia symposium was concluded with a closing ceremony by Professor Kae Dal Kwack, Chair IEEE Seoul Section Chair and Professor Jhing-Fa Wang, Chair IEEE Tainan Section.

From Korea 30 participants, mainly graduate students and young researchers attended the symposium. Several papers were specially invited from India and Japan with the strong support of Professor M. Ramalatha, Dr. S. Salivahanan and Professor Tadashi Suetsugu.

The preparation for the Symposium was really perfect in every way. All participants including committee members and dedicated people from National Chiao Tung University really enjoyed the occasion and had useful discussions and meetings.

We all agreed with the proposal by IEEE Tainan Section Chair, Professor Jhing-Fa Wang to hold the 15th NASNIT in Tainan, south-west part of Taiwan, in April 2010.

Taiwan, first known to the west as Ilha Formosa (Beautiful Island), is looking forward to seeing you in Tainan next year and embracing you with the spring warmth of Island.

I believe that it will surely be beyond of your expectations.

Kaedal Kwack
IEEE Seoul Section Chair
IEEE Chengdu Section
IEEE 125 Years Anniversary Celebration and Formation of IEEE CDS IT and VT Chapters

On invitation by the IEEE Chengdu Section and the Key Lab of Information Coding & Transmission of Southwest Jiaotong University, Mr. Lewis Terman, IEEE 2008 President, Mr. James Prendergast and Mr. Matt Loeb, both IEEE Executive Directors, and Mr. Ning Hua, Chief Representative of IEEE China Office visited Southwest Jiaotong University of Chengdu, China on 19 September 2009 to participate in IEEE 125th anniversary celebrations and the formation of VT Chapter and IT Chapter of IEEE Chengdu Section.

The ceremony was presided over by Mr. Pingzhi Fan, Vice President of Southwest Jiaotong University. President Chunyang Chen attended and delivered a speech extending cordial and warm welcome to the guests, and appreciated the IEEE executive committee members and volunteers for their hard work. He congratulated Prof. Xuming Fang and Prof. Xiaohu Tang on being appointed as the first chairperson of VT Chapter and of IT Chapter respectively. He also highly praised and emphasized the role of IEEE in promoting the electrical, electronic and information technology research in Southwest Jiaotong University. Mr. Terman, Mr. Prendergast, Mr. Loeb and Mr. Hua made speeches successively on the current status and future trend of development of IEEE in China, which was followed by an exchange of views between the guests and the audience. The meeting atmosphere was charged with excitement.

The ceremony came to a successful conclusion. President Chunyang Chen met the delegation members of IEEE at Yuqiu Hall, and exchanged views about the cooperation in the future development.

Xuming Fang
Chair of IEEE Chengdu Section VT Chapter

IEEE China Council and Sections
“Microsoft Cup” IEEE China Student Paper Contest

IEEE along with the Graduate School of the Chinese Academy of Sciences (GUCAS) and Microsoft Research Asia (MSRA), announced the winners of the first ever "Microsoft Cup" IEEE China Student Paper Contest at the IEEE 125th Anniversary celebration in Beijing, China.

As one of eight events around the world celebrating IEEE's 125 years of Engineering the Future, on 22 September 2009, IEEE members, customers and technology leaders of China joined together to honor the winners of the contest as well as the significant accomplishments of IEEE during the past 125 years. The IEEE Student Paper Contest in mainland China has been a year long project of IEEE, along with their sponsors MSRA and the GUCAS.

The winners were selected based on published technical papers as well as an oral presentation that each student delivered to a panel of judges. All of the papers submitted had to have been published by IEEE journals, proceedings or conferences between 2007 and 2009, and the primary author of the paper had to be a student when his/her paper was accepted by IEEE. With the help of all seven IEEE Sections in mainland China, more than 1,000 students entered the competition. The first elimination round was based on the quality of the papers and the group was thus narrowed down to 57 students.

After another round of reviews, 23 finalists were nominated to present an oral presentation on 21 September 2009. Nine of the 23 were awarded prizes based on a combination of the quality of the papers, oral presentations and oral English skills. “The panel of five judges strongly felt that the judging criteria would not only evaluate professional skills, but also evaluate the presentation and oral English communication skills of the candidates since English is the official language for scientists and engineers around the world, which plays an important role for future career development for the students,” said Ning Hua, Chief Representative of IEEE China Office.

The judges were world-renowned scientists from IEEE, GUCAS and MSRA, spanning all aspects of the professional areas of the contest and throughout China. The nine winners include:

Gold Prize Winner
Yue Suo from Tsinghua University; Paper Title: "Open Smart Classroom: Extensible and Scalable Learning System in Smart Space Using Web Service Technology".

Silver Prize Winners
Xiaoyu Zhang from Graduate University of Chinese Academy of Sciences; Xiao-Min Hu from Sun Yat-Sen University; Wenpeng Ding from University of Science and Technology of China.

Bronze Prize Winners
Yifan Zhang from Graduate University of Chinese Academy of Sciences; Weineng Chen from Sun Yat-Sen University; Guodong Zhao from Beihang University; Lei Wu from University of Science and Technology of China; Xiao Lu from Southeast University.

The "Microsoft Cup” provided students from all over China an unprecedented opportunity to compete against their peers to showcase the latest innovations in engineering and technology. Prizes were provided by Microsoft Research Asia.
O, IEEE

You are the warm home of the professional people, within which you promote harmonious relations, bringing them together in their shared devotion to the progress of human being.

From you, we’ve learnt to respect each other through technical events and thus great diversity ideas become the source of innovation.

From you, we’ve realized that IEEE members play a big part in the progress of science and technology.

From you, we’ve learnt that peoples need to face challenges, share ideas and achievements in making a better world for mankind.

O, IEEE, you are a part of the world and we are your members. We love you and cherish you as well.

Let’s create the future together, please join IEEE if you are not a member now.

IEEE will make your way wider and easier to reach your goal and our common goal--a green world and a green IEEE bridging the world where we are.

---

IEEE Student Transition and Elevation Partnership (STEP) Program comes to Western Australia

In Western Australia, there has recently been a significant shift in the labour market for students when they graduate. For many it can be a daunting experience not knowing what lies ahead in the short to long term of their career let alone securing a job. The IEEE STEP function was held on 22nd November 2009 at Valentino’s Restaurant to help students gain a better understanding of what to expect in their professional career, equip them with the necessary skills to be successful and inform them of how the IEEE can enhance and assist their professional career.

There were three speakers who spoke on topics including moving from university to the workplace, IEEE and your professional career and the importance of networking. The attendants then enjoyed a 3 course dinner and were presented with certificates of appreciation and an information package containing of IEEE freebies and information brochures. The event was an overall success with over 25 attendants who all provided positive comments on the feedback form. Funding for this event has been provided by the IEEE STEP initiative at the headquarters level, the IEEE Western Australia Section and the IEEE GOLD Affinity Group in Western Australia.

---

Timothy Wong
Chair, IEEE GOLD Affinity Group, WA

---

Replace the 125th Anniversary Mark with IEEE Master Brand for 2010

Thanks to the many IEEE volunteers who planned celebration events and adopted use of the IEEE anniversary mark in 2009. IEEE’s 125th anniversary has been a resounding success. It helped to increase public visibility of IEEE and the profession around the world, and created pride among the IEEE entire community.

Now is the time to plan to replace the anniversary mark with the IEEE Master Brand on all web sites, print materials, PowerPoint templates, email signatures, etc. for January 2010. Electronic files of the Master Brand and standards for use can be found in the online IEEE Brand Identity toolkit (http://www.ieee.org/go/bmnd) under the “master brand and logos” section.
IEEE Taipei Section

2009 ITCOM Workshop

2009 Fall Workshop on Information Theory & Communications (2009 ITCOM) was held from 24-25 August, 2009 in Sun Moon Lake Teachers’ Hostel. 2009 ITCOM was hosted by Dept. of EE, Tunghai University, and was cosponsored by ETPC of NSC, Communications Engineering Program of NSC, IEEE Taipei Section, IEEE Information Theory Society Taipei Chapter, IEEE Communications Society Taipei Chapter, IEEE Tainan Section, IEEE Communications Society Tainan Chapter, Dept. of I CE, Chaoyang University of Technology and Institute of CE, Chi Nan University. More than two hundred national experts and graduate students attended the workshop. Eight invited speakers delivered talks to introduce the latest research results and future developments for information theory and communications. In addition, Prof. C. L. Wang, Inst. of CE, NTHU (Chair, Communications Engineering Program of NSC), Prof. W. R. Wu, Dept. of EE, NCTU (Vice-Chair, IEEE Communications Society Taipei Chapter), and Prof. L. C. Wang, Dept. of EE, NCTU (Chair, IEEE Information Theory Society Taipei Chapter) were invited to co-host the Panel Discussion of Communications Engineering Program and to depict the prospect of Program projects and the current situation of the three societies. By in-depth discussion, the conclusions drawn can be utilized as references to future research and activities. Moreover, 2009 ITCOM also held the poster exhibition of 73 NSC projects.

The Summer School provided tutorial lectures on various subjects in the fields of Information Theory and Communications to participants mainly composed of new graduate students in related fields, plus some senior graduate students and people from the industry. This was the fifth time that the Summer School had been held since 2005. It attracted a record-breaking total of 303 participants this year. Nine tutorial lectures were offered: "Introduction to Digital Communication Systems" by Prof. Li-Chun Wang, NCTU, "Information Theory" by Prof. Po-Ning Chen, NCTU, "Detection and Estimation" by Prof. Y.-W. Peter Hong, NTHU, "Channel Coding I" by Prof. Mao-Ching Chiu, National Chung Cheng University, "Channel Coding II" by Prof. Chung-Hsuan Wang, NCTU, "Transmission Technologies" by Prof. Hung-Ta Pai, National Taipei University, "Receiver Technologies" by Prof. Wen-Rong Wu, NCTU, "Multiple-Input Multiple-Output Communications" by Prof. Che Lin, NTHU, "Wireless Systems and Applications" by Prof. Shyue-Win Wei, National Chi Nan University. Those participants who attended all of the nine tutorial lectures could receive a certificate from the Summer School.

2009 ITCOM along with the poster exhibition of NSC projects is the most important activity in communication area nationwide. Attended experts and graduate students can learn and discuss the latest technology for information theory and communications to realize the domestic research situation.

2009 Summer School on Information/Communication Theory and Technologies

2009 Summer School on Information/Communication Theory and Technologies was held at the International Conference Hall of the Microelectronics and Information Systems Research Center, National Chiao Tung University (NCTU), Hsinchu, Taiwan, R.O.C., from August 3 - 7, 2009. It was sponsored by the IEEE Information Theory Society Taipei Chapter, IEEE Communications Society Taipei Chapter, and IEEE Communications Society Tainan Chapter, co-sponsored by the Microelectronics and Information Systems Research Center, Institute of Communication Engineering, Department of Electrical Engineering, NCTU, Institute of Communications Engineering, National Tsing Hua University (NTHU), NCTU Communication and Information Software Technology Training Program, Ting-Shiun Telecommunication Development and Education Foundation, and Hsinchu Science Park Administration.

The Summer School not only offered tutorial lectures to participants, who would find them beneficial in future study and work, but also provided a platform for information exchange and intercampus collaboration. Considerable registration discounts were offered to IEEE members, thereby attracting 59 new IEEE members due to this event, an increase of 28 new members from last year. Overall, this was a successful event, both in terms of providing tutorial lectures for participants and promotion of IEEE.

Prof. Chin-Teng Lin
Chair, Taipei Section 2009
IEEE Tokyo Section

IEEE Milestone in Electrical Engineering and Computing

Dedication Ceremony of IEEE Milestone for the Ferrite materials and their applications was held on October 13th, 2009, at the Centennial Hall of Tokyo Institute of Technology, Tokyo, Japan. The Ferrite materials were invented in Tokyo Institute of Technology and many applications of the materials have been developed by TDK Corporation. They were approved as an IEEE Milestone on May 19, 2009. IEEE Tokyo Section hosted the Dedication Ceremony for the Plaque of IEEE Milestone in Electrical Engineering and Computing and invited many guests including Dr. Richard Gowen, Chair, IEEE History Committee and Dr. Toshiharu Aoki, Chair, IEEE Japan Council, other executive committee members, and executives of national academic institutes and societies. In this ceremony, Prof. Hideki Imai, Chair, IEEE Tokyo Section gave an address, and Dr. Eiichi Ohno, IEEE Japan Council History Committee Chair, explained the background of the approval. Dr. Richard Gowen presented commemorative plaques to Professor Kenichi Iga, President, Tokyo Institute of Technology, and Mr. Takehiro Kamigama, President & CEO, TDK Corporation.

IEEE Milestones in Electrical Engineering and Computing is a program of the IEEE History Committee administered through the IEEE History Center to honor significant achievements in electrical, electronic, and computer engineering and the associated sciences. Milestones recognize the technological innovation and excellence for the benefit of humanity found in unique products, services, seminal papers and patents. IEEE established the Milestones Program in 1983 in conjunction with the 1984 Centennial Celebration to recognize the achievements of the Century of Giants who formed the profession and technologies represented by IEEE. More than ninety Milestones have been approved and dedicated around the world. Each milestone recognizes a significant achievement that has occurred at least twenty-five years ago in an area of technology represented in IEEE and having at least regional impact. The Ferrite materials and their applications is the tenth Japanese milestone.

After the ceremony, a Commemoration Lectures meeting was held at the same location. The first lecture entitled “University Inventions and the IEEE Milestone” was presented by Dr. Kenichi Iga, President, Tokyo Institute of Technology.

Second lecture entitled “University-launched Venture Business” was presented by Mr. Takashi Yanagi, Director, Research Environment and Industrial Cooperation, Ministry of Education, Culture, Sports, Science and Technology. Third lecture entitled “Academic Findings of Ferrite” was presented by Prof. Yohtaro Yamazaki, Tokyo Institute of Technology. Final lecture entitled “Industrialization and Development of Ferrite” was presented by Dr. Akira Okamoto, Advisor, TDK History Museum.

Dr. Junzo Kawakami
Chair, IEEE Tokyo Section Publications Committee

Technical Seminar on

Future of Information and Telecommunications Technologies

On the afternoon of October 23, the day for the 125th Anniversary Ceremony in Tokyo, Waseda University hosted a technical seminar focusing on the future of IT. The seminar was supported by IEEE Tokyo Section, IEEE Region 10, and Global Information and Telecommunication Institute, Waseda University, and was held at an engineering campus of Waseda University in Tokyo.

Information and telecommunications industries need a bright future. Currently they are put into fierce price competition and their earning is not very healthy. Although IT is an essential component in running companies and in daily life, IT is not a very popular subject among college students in Japan. It is due to the image of long working hour and low pay of IT workers. The seminar intends to provide bright future IT image to students as well as industry people.

The seminar was opened by Region 10 Technical Activity Coordinator, Dr. Toshio Fukuda (Nagoya University) and was followed by a talk entitled “The State of IEEE” by Dr. John Vig IEEE President & CEO. (Continued on next page)
The other talks presented at the seminar were:

- "Consideration on R&D for Future ICT" by Dr. Toshitaka Tsuda (Fujitsu Laboratories, President-Elect of The Institute of Electronics, Information and Communication Engineers)
- "Outlook and Vision of Broadband Wireless Communications" by Dr. Iwao Sasase (Keio University, Vice Chair of IEEE ComSoc Japan Chapter)
- "Network Technology - Present and Future" by Dr. Koichi Asatani (Kogakuin University, IEEE Fellow, Distinguished Lecturer)
- "Future of Low Energy Computing Systems - Low Power Multi-core and Many-core processors and Their Software" by Dr. Hironori Kasahara (Waseda University, IEEE Computer Society Board of Governor)
- "ICT Activities with an Aim of Realizing Low-Carbon Society" by Dr. Takuro Sato (Waseda University)

74 people, including 35 non-members, participated in the seminar. About half of the participants were from industry. We had lively discussion after every presentation. In conclusion, the audiences could foresee many opportunities in the bright future of information and telecommunications technologies. IT will maintain its important role in many aspects of human life including sustainable society.

We express our sincere appreciation to IEEE Region 10 and Global Information and Telecommunication Institute, Waseda University for providing us human resource as well as financial support.

Hidenori Nakazato
Waseda University, Tokyo, Japan

South Australia Section
2009 Distinguished Lecture and Annual Dinner
The IEEE South Australia Section held its 2009 Distinguished Lecture and Annual Dinner on 25 November 2009. It was a great occasion for members of the Section to meet and enjoy the camaraderie of their peers in an informal atmosphere. This year the invited speaker was Adelaide University Professor Barry Brook. His talk “Climate Change Mitigation – What Sustainable Energy Technologies will Triumph?” attracted a passionate and robust discussion, as similar topics associated with climate change are now being discussed on the national and international level. Dinner participants also greatly enjoyed a presentation by Luke Balzan, (a postgraduate student and Chair of the University of Adelaide IEEE Student Branch) celebrating the 125th anniversary of the IEEE, and the upcoming 25th anniversary of the South Australia Section. The event was very well attended, particularly by recent graduates and IEEE student members.

Leigh Powis
Chair, IEEE South Australia Section

Prof Barry Brook

Luke Balzans presenting a celebration of 125 years of the IEEE

Some of the almost 90 attendees
IEEE Nanjing Section (ComSoc Chapter), China
Technically Sponsored Conference: WCSP 2009

The 2009 International Conference on Wireless Communications and Signal Processing (WCSP 2009) was held in Nanjing, China on Nov 13 - 15, 2009.

WCSP 2009 was co-sponsored by PLA University of Science and Technology, Nanjing, and Southeast University, Nanjing, China and was technically co-sponsored by IEEE Communications Society, China Institute of Communications, and Chinese Institute of Electronics. It was also financially co-sponsored by Huawei Technologies.

The objective of the conference is to serve as the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, and applied wireless communications and signal processing. The conference aims to bring together leading researchers, scientists, engineers and scholar students in the domain of interest from around the world to exchange and share their experiences, new ideas and results in challenges encountered and solutions adopted.

WCSP 2009 attracted much attention from both academic fields and industrial fields. It received a total of 1,023 submissions from 32 countries and regions. All papers were rigorously and independently peer-reviewed by the TPC members and a large number of invited reviewers. The conference finally accepted 366 high quality papers from 23 countries and regions, representing the acceptance ratio of 36%. Accepted papers were grouped into 24 sessions with 2 tracks: Wireless Communications and Signal Processing. A highlight of the conference was the 7 Keynote Speeches delivered by the distinguished scientific experts from all around the world.

The conference was held at the Zhongshan Hotel, Nanjing, China. More than 300 researchers, scientists, engineers and scholar students from all over the world, about 200 of whom are IEEE members, participated in the conference.

WCSP 2009 was held very successfully, and experts and scholars from all over the world praised the organization of the conference. Throughout the entire conference, attendees were actively participating in oral and poster sessions and engaged in fruitful research discussions. They all felt that the conference had provided them with a platform where they can learn about new advances in the field and meet and discuss research with peers working in the same area. They also expressed that they look forward to participating in this conference next year, WCSP2010.

Guangguo Bi
Chair of IEEE ComSoc Nanjing Chapter

IEEE Bombay Section
Second Job Fair for Student Members of IEEE

On February 21, 2009, IEEE Bombay Section showed its commitment to the Student community with its second Job fair at Sardar Patel Institute of Technology, Andheri.

The event was exclusively for graduate or final year IEEE students of Engineering, Computer Science or IT and a large number of spot memberships were generated.

In spite of the general down turn in the IT industry, Tata Power Strategic Electronics Division – SED, Acevin Solutions, Diebold Software Services, Allied Digital Services Ltd and others turned up in strength.

The bottom line was better than 2008; 75 offers for the 150 students who participated.

Prof MM Shah, Section Student Activities Chair, Dr Shrikant Parikh, Chair of TMC Chapter and Mr Ashok Jagatia, Chair of ComSoc and Section Secretary together with Mr R Muralidhanan, Past Chair of India Council, played a key role in the organization along with the support of the Execom. Student volunteers from the Sardar Patel Institute conducted the proceedings with experienced precision.

Students taking a company’s selection test

Bombay Section ExeCom members at the Job Fair

The Job Fair marked the start of the IEEE 125 celebrations for Bombay Section.

IEEE DIGITAL SECURITY SEMINAR

As part of its continuing celebrations of the IEEE’s 125th year, Bombay Section organized a one day seminar on Digital Security on September 25, 2009 at the prestigious ITC Grand Central, Parel. About 50 invitees from academia and industry participated. Mr R Muralidhran, past Chair of India Council
Mr Sanjay Pandey, Indian Police Service, former head of Cyber Crime Cell and present CEO of niche IT security firm i-Sec, compared security features of ipv4 versus ipv6. Mr Behram Sethna, VP Tata Consultancy Services (TCS), using video clips, graphically described digital security applications. Mr Ajit Shelat of Nevis Networks gave a presentation on network security together with an on-site demo of his own proprietary hardware.

Dr Sundeep Oberoi, Global Head Niche Technologies - TCS explained the intricacies of accountability and related issues in IT security. Mr Sanjeev Hirlekar, Tech Mahindra offered a practitioner’s view of security event management for company networks.

Dr Oberoi summarized the day’s proceedings and expertly fielded the Q&A session.

IEEE Bombay Section sponsored the event. Mr Raju Hira, Section Chair, was present to manage the proceedings. Technical guidance was from Dr M V Pite, Mr Kirit Sheth and Mr R Muralidharan. Ground support came from Mr A K Banerjee along with Mr Ashok Jagatia and Mr Anthony Lobo. Student volunteers from Sardar Patel College took charge of logistics at the event.

Anthony Lobo
Secretary, IEEE Bombay Section, India

IEEE Western Australia Section
When the going is tough, tough IEEE members keep going

2009 Educational Activities

What is Tough?
What makes a person tough?

These questions confronted the 25 participants of the 2009 EAC seminar on 15th October, 2009 at Murdoch University, WA. The objective of the seminar was to introduce the topic of Emotion Intelligence (EI) and to discuss how to deal with tough situations, and to make tough decisions.

EI is an academic discipline with many applications and numerous formal research has been conducted. Yet, the topic is rarely mentioned in engineering and technical syllabus. Models and definitions based on Mayer, Salovey and Caruso, Goleman, Palmer and Stough were introduced, followed by clarification on what EI is and isn’t. Steps on how to boost EI, how to increase EI vocabulary, and practical lessons were the key components of the seminar. The session also included exercises, sharing of experience and joyous laughter.

The seminar was well received and many participants have found the topic to be fresh and useful. There were lively discussion during the dinner afterwards and request for follow up seminars in this topic.

It is believed that the seminar has fulfilled the objectives and equipped the participants with an understanding of the topic of EI. Hopefully, they will be toughened to face tough situations and be able to make the appropriate tough decisions in the future.

Acknowledgement: This seminar was supported by a grant from the 2009 Region 10 EAC.

Lance Fung
Vice Chair IEEE WA Section

IEEE Hyderabad Section
The Nineteenth Faraday Memorial Lecture (FML)
The IEEE Hyderabad Sector organized the 19th Faraday Memorial Lecture (FML) on 22nd September 2009 at BM Birla Science Centre, Hyderabad, India. Faraday Memorial Lecture (FML), the flagship event of IEEE Hyderabad Section, was launched way back in 1991, the year of 200th birthday of Michael Faraday. The event is held annually since then and is targeted towards young students of both science and engineering.

The topic for this year’s talk was "Current, if not obstructed, will always flow in the Path of Least Impedance". The talk was delivered by Mr. Elya Joffe who has over 25 years of experience in the area of Electromagnetic Compatibility. Mr. Joffe is also well known in Israel and abroad for his activities in EMC training and education. He has authored and co-authored over 30 papers in EMC and EMC-related topics.

(Seated L to R) Mr. C. Satish, Mr. Elya Joffe and Dr. V. Kodali, (Standing ) Mr. Padmaprabodh Ambale, Dr. Ganasekhar Reddy, Mr. J. A. R, Mr. P. V. S. Maruthi Rao, Dr. N. V. Rao, Mr. R. Kannan, Mr. Bhudeb Chakravarti, Prof. Arun Agarwal, Sri. N. Srinivas, Sri. N. S. S. Prasad, Mr. V. Akiyan, Mrs. Madhumita Chakravarti and Mr. M.G.P.L. Nanyana
Annual General Meeting and the 25th Year Celebrations of the IEEE Hyderabad Section

The Special Annual General Body Meeting (SAGM) and the 25th Year Celebrations of the IEEE Hyderabad Section were held on Sunday, 26th July 2009. Several Senior Members like Gp. Capt. (Retd.) Siva Swamy, Dr. E. Bhagiratha Rao, Sri C. Satish, Maj. Gen. (Retd.) Dr. R. K. Bagga AVSM, Prof. DVR Vithal, Prof. Anun Agarwal, Sri NSS Prasad, Prof. RS Sarma and others graced the occasion. Gp. Capt. (Retd.) Siva Swamy was the founder Chairman of Hyderabad Sub Section in 1981. All past Section Chairman were invited to dais by Dr. N V Rao. Several seniors took the opportunity to express their thoughts. Prof DVR Vithal suggested that a souvenir could be launched. Dr. Bhagiratha Rao stressed upon the role of students in the technology and the need for research. He insisted on organizing paper presentation contest to recognize the innate talents of the students. Dr. R. K. Bagga emphasized that the students must be encouraged to do research and must be extended support as required. Sri N.S.S. Prasad expressed his concern about students not showing interest in certified programs of automation.

(From Right to Left) Sri C. Satish, Dr. E. Bhagiratha Rao, Gp. Capt. (Retd.) Siva Swamy, Mrs. Siva Swamy, Prof. DVR Vithal, Maj. Gen. (Retd.) Dr. R. K. Bagga AVSM and Mr. Raghavendra Rao at the SAGM

S. Venkataramanan, Newsletter Editor & Webmaster
IEEE Hyderabad Section

IEEE Daejeon Section

CEIC 2009 Conference

The 11th CEIC (Conference on Electronics & Information Communications) was successfully held by IEEK (The Institute of Electronics Engineers of Korea) and KICS (Korea Information and Communications Society) on November 13, 2009 at Rivera Hotel, Daejeon, Korea. IEEE Daejeon Section was proud to be one of sponsors for the conference. There was a tutorial session about IPTV 2.0 presented by professor Jun Kyun Choi, the chair of IEEE Daejeon Section. Also there were 20 oral presentations and 58 poster presentations under 4 technical sessions.

KNU Student Branch of Daejeon Section

There are four Student Branches under IEEE Daejeon Section and there have been few events relating to these Branches. On November 13, 2009, Student Branch of Kongju National University held a big kick-off meeting for the first time, which was financially supported by Daejeon Section. Together with over one hundred students, there were presentations about the introduction of IEEE, the organizations of Regions, Sections, and SB. Many students showed keen interest when introducing the activities of other Student Branches in R10. Also, there was discussion to find out ways of having some vigorous activities by KNU SB. We decided to have student-centered activities such as study groups, contests, and regular meetings.

Bongsue Suh
Secretary of IEEE Daejeon Section

Students at the first official meeting of the KNU Student Branch, Daejeon Section
On October 23rd and 24th 2009, IEEE Bangalore Section hosted “IEEE Women Engineering Congress 2009 (WIECON’09)” at Bangalore, India at Sri Venkateshwara College of Engineering (SVCE) with a theme “Meeting the global challenges of the next generation”. The event was co-sponsored by IEEE Region 10 and technically sponsored by IEEE India Council. The Congress was focused on global challenges faced by the next generation and evolution of solutions for the same.

The event attended by over 250 participants, with representation from Region 8, was inaugurated by Mrs. Pamela Kumar, Director, IBM, Bangalore and presided over by IEEE Bangalore Section Chair, Mr. K. Ramakrishna. The function was graced by Ms. Keyana Tennant, MPA, Program Manager, Women in Engineering, Global WIE Initiatives and Prof. Ramalatha Marimuthu, R10 WIE Co-ordinator in the august presence of Dr. YVS Lakshmi, IEEE WIE Chair, Bangalore Section, Prof. K. Rajagopal, IEEE India Council Chair, Mr. M Shashidhar, Chief Executive Director, SVCE and Dr. Prabhamara Reddy, Principal, SVCE. An excellent heartfelt message was sent by Ms. Karen Pennetta, Global Chair of WIE. The event was a mixture of technology and fun and gave the participants an opportunity to enjoy knowledge sharing.

Inauguration ceremony

Day 1:
The morning started with an informal ice breaking session on the grounds of the picturesque Sri Venkateshwara College of Engineering. The college authorities had taken the task to the heart and had spared no expense in making the delegates comfortable.

After inauguration, the keynote speaker Mrs. Pamela Kumar, Director, IBM talked about building of a smarter planet. In her talk she stressed on the new research initiatives for intelligence, smart work, dynamic enterprise & beyond, which, put together pave the way for building up the smarter planet. The next session was a heart touching one. Dr. Sangeeta, who is the first visually challenged lady to obtain Ph.D degree from the state of Karnataka, India gave the gathering a first hand account of her endeavours which held the audience spell bound. She stressed on “The Role of Women’s Organisations for the empowerment of distressed”, which inspired the students.

Mr. V. Raghuram, Regional Manager NRDC, Bangalore, dwelled on “Technology Management in Industry” and stressed on the innovations and leadership and how NRDC is empowering the young innovators and entrepreneurs.

The post lunch session was a paper presentation session under chairmanship of Mr. R V Siva Reddy. Students from India and abroad presented their ideas on their fields of interest. Following this was WIE awareness program session. WIE Program Manager, Ms. Keyana N. Tennant and R10 WIE Co-ordinator, Prof. Ramalatha Marimuthu, provided inputs for the participants on initiatives of Women in Engineering at the Regional level as well as at the global level. They were bombarded with questions from the participants on various issues like scope of WIE, Sangamam project and its outreach, funding available for the WIE activities etc. The interaction was a very lively one filled with information and new ideas.

There was a vibrant response from many engineering colleges in sharing their IEEE activities particularly WIE activities during the post-lunch session. Ms. Nancy Zakhour, Representative IEEE student participant from Lebanon, (Region 8) shared her experiences. The session showed the involvement of volunteers, their innovative ideas, their enthusiasm and interest. In the evening, the performance of classical dance by blind children of Sri Ramana Maharshi Academy for the Blind, Bangalore, held the audience spellbound. They were touched by the enthusiasm of the specially-able children to fill their lives with meaningful activities. The evening continued joyfully into dinner time interaction.

Enjoy and let all enjoy – Dance by children from Sri Ramana Maharshi Academy for the Blind

Day 2:
The second day morning was packed with information sharing. It started with the talk entitled “From Theorems to Patents to Technology Transfer” by Dr. Pina Marziliano, Asst. Professor, Nanyang Technological University, Singapore. She talked about her patented technology on signal processing which was mathematically intensive and she induced new ideas in the young minds. The program continued to felicitate information sharing with Ms. Premalatha M Nair, Program Director, Linux Technology Center & Platform Management, IBM, talking about women in technology. Ms. Shivani Arora, Technical Manager, Alcatel-Lucent talked about designing communication protocol for performance. This was followed...
by a leadership training activity session. Dr. Shalini Chandra, Professor, Bharathidasan Institute of Management trained the participants on team building exercise. The activity went on to enhance the leadership skills of the students in working together towards a common goal.

An interesting talk by Ms. Sunita Chauhan, Associate Prof, Nanyang Technological University, Singapore, on “Breast Cancer Surgery: Present state-of-the-art and future directions” inspired the students on building up engineering solutions for healthcare. She talked about development of FUSBOTS which use High Intensity Focused Ultrasound (HIFU) to locate the cancerous growth (target zone) and coagulate them. The severe psychological trauma which women experience with other existing solutions like mutation or removal of breasts to stop the cancerous growth from spreading prompted her to develop this. Robotics, being a much interesting topic for students, her topic was very well received.

At the post lunch session of the second day, Ms. Yamuna Pathak, Global Angels Jai Charitable Trust, talked about "Today’s Crisis Tomorrow’s Challenge!” which urged the audience to think of the responsibilities towards a cleaner environment and society. This was followed by a technical talk by Dr. Chitra, Mahindra Satyam on the topic “Embedded Systems for Automotive – Present and Future” which was well appreciated by the participants.

An interesting and interactive session on human values by Dr. V. Prithviraj, Advocate, High Court of Orissa made the participants sit up and think about their responsibilities to bring peace and joy to the world. He presented skits performed by the participants to emphasize his points and this made the session hilarious. Dr. P. K Shetty, Dean, NIAS talked about Biopiracy and Bioterrorism and highlighted how the bio related threats have been mitigated, especially bird flu and swine flu etc.

Finally it was time for farewell. Though it was sad to part, the valedictory function sparkled with well wishes and thanks from everybody. Lingering for a long time over tea with promises to keep in touch, the participants departed bringing the two day gala event to the end.

Further details and photographs of the WIECON’09 are available in the Section website www.ieeebanglore.org.

Prof. Ramalatha Marimuthu, with inputs from Dr. Lakshmi, WIE Chair, Bangalore Section.

IEEE Kerala Section

ALL KERALA WIE FORUM MEET, 2009

Supported by Region 10 WIE

The All Kerala WIE Forum Meet 2009 on 2nd – 4th October was successfully conducted in coordination with LINK, at College of Engineering Chengannur, Kerala, India with a participation of WIE members from 14 different colleges around Kerala. An event aiming to "Inspire, Engage, Encourage and Empower IEEE WIE Students in IEEE Kerala Section", presented a platform for the delegates not only to interact but also to think out of the shell, to develop leadership qualities and to understand the various aspects of IEEE and WIE.

First day started with an ice breaking session, with activities and interactive games, which acted as a catalyst to prepare the delegates for the day ahead. This was followed by the inaugural ceremony. The inaugural meeting was graced by the presence of the most esteemed dignitaries of IEEE Kerala Section, including the Guest of Honor Mr. Sasi P. M, the Section Chair and Mr. Gopakumar S., the Section Student Activities Coordinator.

P.M. Sasi sharing his thoughts at the inauguration ceremony

The WIE Meet started off with the program of WIE Dignitaries Bench, a non-technical session focused on the various aspects of Women Empowerment. The forum had three women dignitaries from three different fields of society, Ms. Asha Elizabeth, Professor, CUSAT, Ms. Sreekala, Advocate, Municipal Court and Ms. Nisha Nair, Doctor Alappuzha Medical College who shared their experience and
growth. The open forum discussed various aspects of women life.

In the next session Mr Jaison Abey Sabu and Ms Magy Anna Abraham gave an in-depth account of IEEE and WIE. The session was followed by presentations from the WIE Affinity Groups present there. This was followed by a session of Fun and Games where the delegates were relaxed from the strain of the talks and discussions.

The next session WI-FI (Phase 1), to get initial opinions and views of the delegates about WIE, was coordinated by Mr. Jaison Abey Sabu, GINI Mentor, Madras Pilot Section and Branch Mentor, Mr. Arjun R Pillai, GINI Coordinator Kerala Section and Secretary, Ms. R. Pratibha, WIE LINK Representative and Ms Magy Abraham. The idea of WI-FI was introduced as a case study and delegates were asked to do brainstorming on the goals of WIE as well as the challenges that are to be faced to achieve those goals. Delegates came up with wide suggestions and solutions.

At the Group Event Initiation groups of delegates were given a case study related to IEEE and were asked to present their solution next day. The session was oriented to improve the managerial skills and analysing capability of the WIE members. The male WIE members were engaged in a separate parallel session of discussion on problems and current scenario of LINK.

The second day started with the Group Event presentations. Each group presented their solutions for the case study given to them the day before. Session was coordinated by Mr. Rayees and Ms. Pratibha while the first WIE Chairperson of the First SB WIE Affinity Group in Region 10, Ms. Seenu Chrispin (2005 Pass out of CEC) evaluated the presentations and encouraged the delegates with their valuable comments and ideas. The other fields of discussion were about the vision of a Student Branch, the major problems that many Student Branches are facing, and some ideas on what should the Student Branches achieve by this time next year.

This was followed by the ‘IEEE FORUM MEET’. The members on the dais for the session were Ms. Seenu Chrispin, Mr. Prijoe Philips, the Region 10 GINI Coordinator, Mr. Dinu Sam (the best volunteer award winner of LINK) and Mr. Jaison Abey Sabu. The forum meet started with sharing of experience by the four dignitaries on the bench. They shared their vast experiences about what were the problems they had faced etc. Later on the forum was open for discussion and was coordinated by Mr. Prijoe Philips. The attendees were enriched by the impact and motivation from him on the various hidden aspects of IEEE and WIE. The session concluded after a questions & answers session.

The main highlight of the day was Leadership Workshop by Mr. Prijoe Philips Komattu. The three-hour-long workshop focused on developing leadership and managerial skills among the women delegates. The parallel discussion session for on LINK Panel reviewed the problems of Student Branches and volunteers. There was a discussion on the LINK Constitution, LINK Camp and Call for proposals for LINK events, SB mentoring, LINK website etc. The panel found solutions through discussion with the enthusiastic Men Delegates.

At the real time game “The Lost Symbol” the groups of delegates were given the task of breaking codes and finding out the lost symbol of a murder. The session energized the delegates along with an impact of fun and joy. All delegates enjoyed the taste of team spirit and a team work. This was followed by a special even ‘Ice Cream Buffet’ where the delegates were set free to explore as many flavours of ice cream, as they could. The entire venue was enlightened by the happiness and togetherness of the attendees.

On the final day Mr. Arjun R Pillai and Ms. Pratibha R., founders of WIE-FIVE presented their idea on the initiative of integrating WIE Forum as a self-sustainable organization working in a close co-operation under LINK. WIE-FI aims to build a network among the WIE Student Members (especially ladies) to foster them on technological, communicational, organizational, and leadership fronts. WIE-FORUM would provide an opportunity for the WIE members to take new responsibilities and cultivate an active volunteerism in them. The presentation opened up more discussions as the women volunteers were arranged into groups and asked to brainstorm on the five pillars of WIE-FIVE namely Initiation, Innovation, Activities, Sustainability, Networking. The delegates came up with several ideas which were taken aboard. The consent of the volunteers was taken to propose WIE-FIVE to LINK and Kerala Section.

Meanwhile the men volunteers at the parallel session motivated the volunteers to a new initiative named as GINI-To-LINK Bridge (GLB).

After lunch it was time for adios. But the delegates stayed back with the organizing team going around the campus and taking snaps. The delegates who turned out to be a part of the organizing team, bid goodbye at about 3.00 pm and thus the ALL KERALA WIE FORUM MEET 2009 came to a close.

Ms. R. Pratibha, WIE Representative, IEEE-CEC
Mr. Arjun R Pillai, GINI Representative Kerala Section & Secretary IEEE-CEC
Inspiring Stories of R10 Winners

IEEEXtreme is a global challenge for teams of student members, supported by an IEEE Student Branch or university that gives students a unique and fun learning experience, while competing with teams of students from around the world in a global event. It gives Student Branches a challenge to embrace students studying in engineering, computers, information science and technology for team work, which is an important skill to develop for a successful career.

This year the IEEEXtreme competition on 24 October 2009 saw an awesome display of talents by student teams from R10, winning the top three positions plus the 5th position which gave them the 4 out of 5 top positions. Here are some inspiring accounts from winners about their tactics and the experiences.

First Position Winners

MORA SEEKERS, IEEE Student Branch University of Moratuwa, Sri Lanka

How things began

The three of us knew each other since school days and have participated in many programming competitions. So we thought it would be great to form a team to code for the IEEEXtreme 2009 programming competition. We formed "Mora Seekers" with Varuna Parinda Jayasiri, Chethiya Abesinghe and Lalintha Gayan Polpitiya and invited Professor Sisil Kumarawadu as our proctor.

Lalintha is in the third year studying for his B.Sc. Engineering degree in Electrical Engineering. Chethiya and Parinda are in the third year studying for their B.Sc. Engineering degrees in Electronic and Telecommunication Engineering. Their school days were spent at Royal College, Colombo for Parinda and Maliyadeva College, Kurunegala for Chethiya and Lalintha.

Lalintha is also the President of the IEEE Student Branch of UOM. The new Executive committee was formed on the 1st of October and they decided to host the IEEEXtreme 2009 competition on campus as the first event. Preparations to host the event started on 1st of October and by the 12th of October, 12 participating teams were formed. After that the Student Branch made sure there was access to university facilities, food, medical needs and everything that was needed.

An Opening ceremony and training session was organized by a few members and they worked hard to make it easy for the competitors sometimes even falling behind in their academic work. Enthusiasm was to the fullest! It was a great and a fun learning experience for all, from organizers to competitors. All of us had fun!

Practicing (programming languages. and tech. things)

We practiced with C/C++ for this competition. We used the vim and emacs IDEs since they were simpler and easier to use for small programs. We had a template with program headers and some simple function prepared before the competition. Practicing in the competition environment with the same IDEs and other software for a couple of hours helped us a lot during the competition.

Day before competition

There was an opening ceremony and a briefing about the rules and the competition environment in the evening before the competition. The problems students had encountered during the practice session were resolved. Dean and most of the distinguished lecturers from the Engineering Faculty were invited for this event. The organizing team promised us food and all other facilities during the competition; yummy!

Some laptops were given to teams by the Computer Science Department. Everyone was busy checking out the configurations and installing software. The teams were then taken to the Computer Lab and the seating arrangements were shown. We made a note of the air conditioner next to us and made sure we bring warm clothing. Everyone left the university early to get a good night sleep before the competition, since it was to start at 5:30 AM the next day.

How Things Went and Managed the 24-Hour Competition

We divided the easy questions among the three of us and solved them. But some questions were hard so when those were encountered the three of us solved them separately and came up with different solutions and also all three of us sometimes worked on the same problem.

We solved and submitted the problem J 'Xtrebble' 16 times but it wasn't accepted. We were sure about it, but anyway there was nothing we could do, so we carried on with the other problems. Then the organizers sent us an email:

Dear team members of Mora Seekers:

Then the organizers sent us an email:

We detected a small anomaly on one of the tests of problem J - Xtrebble. Re-evaluating the concerned submissions, we found that your first submission was already Accepted one, so the current Mooshak ranking now reflects it. Sorry for that and congratulation on a so far wonderful performance.

Best regards,

Pedro Ribeiro (IEEEExtreme Team - University of Porto)

The problem with Problem J was resolved!! Thanks IEEEExtreme team!!!

We constantly checked the Mooshak and Facebook for the questions that were answered as those were the problems we tackled first because it was apparent that they were the easiest! There was a really good understanding between us, probably because we knew each other since school days. It was really great to work as a team when each of us respects each others' views.

Then there was Problem K. They made an announcement to stop doing it as there was some sort of trouble with it. We had finished all the other eleven questions by then, so a rest was long needed. Phew!
We didn't think much about winning after finishing. There was only a little time left for the last problem.
Each submission gets a time stamp. That is, extra points awarded for early submission. So as two team members went to get some rest, one of us constantly checked to see when problem K would be available. We solved it as soon as it was there, which saved us lots of time and we were in the lead. Time was an important element!
The most important thing about our victory in IEEExtre 2009 is, well, Team Spirit!! We were always concerned for each other, constantly checked how everything was going. Respected each other’s views and tolerated each other’s faults (we think there wasn't any though!).
This was the first time we participated in the IEEExtreme. We didn't have any pressure to win; we just participated for the fun of it! When the ranking tables showed that we were leading, it was great! We had a break in the evening about 1.5 hours after the second problem set was given.
We finished all the questions in 22 hours but we still checked for more questions until the last moment. Parinda had found out that in last year’s IEEExtreme competition questions were given even at the last moment. So we were determined to do it to the last minute!

After winning
We were really happy but we weren't immediately aware of the magnitude of our victory!
Our team spirit was at the maximum and that was our biggest advantage. That might be because of all three of us got to know each other since we were at school, participating different competition of this nature. This is not an overnight victory. We have been participating in these kinds of competitions since we were at school and there were lot of time, effort and determination put on to those competitions. So we need to thank everyone in that path helping us for this victory. What mattered most was the participation and enjoying the tremendous learning experience. We hope that many teams from our University will take part in this sort of competitions in the future and bring glory to the University

Thanks to Immense Support
This was for the first time that we hosted this contest in our university and also in Sri Lanka. It wouldn’t have been a success without the hard work of the Executive Committee, the Event Chairperson Charitha Deshapriya, and immense support and contribution of all the student members of IEEE University of Moratuwa Student Branch, who worked hard to host this event at our student branch.
We are so grateful to Prof. Sisil Kumarawadu, Student Branch Counselor and our team proctor for the constant support and guidance given to us. And also we need to thank Dr. Rohan Munasinghe - Student Advisor, Prof. Gihan V Dias, CEO/Registrar of the LK Domain registry - for sponsoring, Dr. Chulanthu Kulasekera, Head of the Department of Electronics and Telecommunications Engineering, Mrs. Vishaka Nanayakkara, Head of the Department of Computer Science and Engineering, Dr. Karunadasa, Head of the Department of Electrical Engineering and also for the support given by all the staff members.

Lalintha Gayan Polpitiya
President, IEEE Student Branch of UOM

Second Position Winners
CITRUS CELEBRATION, IEEE Student Branch, University of Auckland, New Zealand
The IEEExtreme has been another great programming competition. I have participated in many other programming competitions in the past, as have the rest of my team. However, it has a unique format - it is 24 hours long. While it can tire you, practice can keep you up to going throughout. What is nice about the length is that there is more than enough time to thoroughly attempt every single problem. Often, in other competitions, it is almost impossible (or certainly feels like it), to complete all the problems. But even though there were some complex (and interesting) questions, there was ample time to throw everything you could at it. This year, the format of the competition, was a normal contest, with the problems available at the start, and then, the special contest problems, available 8 hours into the contest, which were more challenging.
Of course, there were some very simple problems, even for beginners, so that there is an opportunity for everyone to

There were only about 15 student members on the organizing team and 36 members were among the competitors. The immense help we received from our friends can't be forgotten. Food, drinks and medical needs were happily supplied by them.
achieve something, and learn from the experience. There were also simple problems which, at first, looked hard.

One thing was clear: to solve all the problems, many diverse skills were required; although most problems required only some subset of those skills. I remember that some problems required less knowledge of the programming language, but more, of how to use those basics. Other problems would be almost trivial, if only some less functions in the languages built-in library were known. Another unique opportunity is available in this competition because of its unique nature of being a team-based competition and an extremely long competition. You are more readily able to combine your skills to solve a problem, and consult with each other, which is what would happen in the real world. This allows teams to develop ideas for how to solve a problem, and add onto an initial idea.

Even skilled and experienced programmers were thoroughly tested, for some of the special contest problems had answers which could be constantly improved. These were optimization problems for which it is well-known that they do not have algorithms which can guarantee being able to find the optimal solution in polynomial time (jargon which roughly means it cannot be solved in any reasonable timeframe even for small problem sizes). However, what is interesting is trying to find solutions to optimization problems which were as good as possible, within the time allowed. In fact, we had a program which implemented multithreading to try finding better solutions faster.

In another optimization problem, instead of searching everywhere, a theory about the nature of better solutions allowed a much smaller search space, where we just generated random solutions for, measured the value of the solution, and output the best solution found.

I can assure you, IEEEXtreme, has something for everybody, everyone can solve some problems, and everyone will find challenging problems that will stretch them (if the time does not already do that). Remember to sign-up next year!

Ronald Chan
IEEE SB, University of Auckland, New Zealand

Third Position Winners

AMOBEAR, Chulalongkorn University, Thailand

For the very first time, 32 IEEE student members from Chulalongkorn University, in Bangkok, have joined the third IEEEXtreme Programming Contest. Three undergraduate computer engineering students of Amobear team, Saran Lertpradit, Pattara Sukprasert, and Vuttikai Sereewattanavut got the third place and received certificates for their hard and smart working.

“First we had made a plan for 24-hour non-stop and no-sleep working. However we could finish the first part earlier than we thought and the second part was not time limited, we could take some breaks after the first 8 hours.”
They also said that the first set of the problems were not too hard for undergraduate students so they could work quickly and efficiently to resolve the problems. Nevertheless, the second ones were really challenging. We had to learn several new things including programming language, computing methodologies and algorithms in few hours. It was so intense, but it was fun!

About the 24-hour “extreme” competition, Pattara says “We did the competition in the computer room of our faculty. It was pretty comfortable because our Dean, Asse. Prof Boonsom was our food and drink sponsor. 24-hour eating was also my good experience!”

Amobear team (L to R) Vuttikrai, Saran and Pattara

They finally talk about their success that “It is our great achievement. We never expected to win the competition. We’re happy just to join this world class event. It was our good start for the next competition. This time we were lucky that we could perform our best for most problems. That day was one of the most memorable for us. Last but not least, we could not get this opportunity without support from Dr. Pizzanu and everyone in our Chapter”.

Asst. Prof. Pizzanu Kanongchaiyos
Counsellor IEEE Student Branch
Chulalongkorn University, Bangkok, Thailand

For IEEE Xtreme 2006 Sample Problems visit:
http://www.ieee.org/web/membership/students/scholarships/awardscontests/xtremesamples.html

Winners of 5th Position
Konohanasakuya, Tokyo Institute of Technology -

My name is Hisayori Noda and I am a PhD student at the Tokyo Institute of Technology. I and my friends, Keisuke Kishimoto and Mitsuhiro Shimoda, participated in IEEE Xtreme 3.0 as “Konohanasakuya” and got the fifth position. In our team of three contestants, two have been contestants in ACM/ICPC (International Collegiate Programming Contest). We have been practiced for ACM/ICPC for years and participated in IEEE Xtreme 3.0 to check our programming level.

We named the team name "Konohanasakuya" after the name of a god in Japanese mythology. She is a god of cherry blossoms. We named it because we named the team name after cherry blossoms when we participated in ACM/ICPC competition.

The basic strategy of our team was to submit aggressively. Because the most part of the score is the number of problems that we could solve, we did not care about penalties for wrong submissions.

The trend and difficulty of the problems were different from IEEE Xtreme 2.0 in 2008. In the previous contest, there were many kinds of problems, such as implementation, dynamic programming, searching, graph theory, geometry, syntax analysis, parallel computation and schedule optimization. They were really difficult. In this year, the main genres were implementation, searching and optimization problem, which were easier than the previous contest.

We submitted many times and got many penalties during the contest. We sometimes changed the solver of problems when one could not solve a problem. We also sent many questions for a problem and found out that the specification of the problem was insufficient.

We enjoyed very much our participation in the contest and we felt invisible networking with other participants all over the world. We express our warm thanks to the contest staff.

(L to R) Mitsuhiro Shimoda, Keisuke Kishimoto, Hisayori Noda with proctor Prof. Akinori Nishihara.

Hisayori Noda
Tokyo Institute of Technology, Japan
IEEE Japan Council Student Activities

Student Branch Leadership Training Workshop

IEEE Japan Council, Student Activity Committee held its 2009 Student Branch Leadership Training Workshop (SBLTW) at Tokyo City University on October 24, 2009. The objectives of this workshop are to encourage the SB activities, to have common information about outstanding SB activities, and to foster closer relationships with each other. In this workshop, 65 members, including 54 students from 19 colleges, each which has a Student Branch, participated.

One the day earlier the IEEE 125th Anniversary Global Event Series Celebration was held in Tokyo. The SBLTW this year was connected with the celebration event, and most of the participants at the SBLTW joined that event.

The SBLTW began with the invited plenary talk of Dr. John Vig, IEEE president & CEO, who also attended the 125th Anniversary celebrations. After the plenary talk all the participants introduced themselves and each Student Branch reported about their activities. In the afternoon session, the trainer, Prof. Onoye of The Osaka University, lectured about IEEE overview and IEEE Student Branch administration and planning. After the lecture, students worked on the training program. The theme of the training program was "Logical Thinking". Students were divided into several groups to discuss the given themes. Finally, based on the mutual voting in the morning, excellent Student Branches were awarded. The Student Branch that won the most votes was Tokyo Institute of Technology, and the second winners were Tohoku University and Kagawa University. These three Student Branches at these universities were awarded as Excellent Student Branches.

Takashi Morie
Chair, IEEE Japan Council Student Activities Committee

IEEE Student Branch JITS, India

ABHIGNATHA ’09

The IEEE Student Branch at Jayamukhi Institute of Technological Sciences (JITS) conducted the ABHIGNATHA – ’09 (a national level technical students fest) on 19th Sept, 2009. The event consisted of technical quiz, paper and Project Presentation. The invited chief guests were Prof. M. Sydulu, Dean, Research And Consultancy, National Institute of Technology, Warangal and Dr. P. Krishna Reddy, Professor of Center for Data Engineering IIIT, Hyderabad.

Prof. M. Sydulu delivered the inaugural address. Prof. P. Krishna Reddy delivered the keynote address on ABHIGNATHA and gave an enlightening presentation on E – Sagu, which is an agricultural based project.

ABHIGNATHA received a good response from the participants of various engineering colleges across Andhra Pradesh. Around 150 papers 15 project presentations from ECE, EEE, CSE and IT departments, were received. The JITS Student Branch also conducted a technical quiz which was well received. The winners at quiz were given prizes.

Sri T.V.R.N Reddy, giving his valuable speech.
IEEE Student Branch University of Auckland
Field Trip to the Sky Tower

Auckland’s Sky Tower, the tallest building in the Southern Hemisphere, of course has several public observation decks that offer breathtaking views of New Zealand’s largest city—but that’s not why a group of 13 IEEE student members visited it this time. The Sky Tower is also home to broadcasting and telecommunications facilities that are of great interest to electrical engineers. Branch Executive Committee member Akshat Sondhi organised a field trip for members to see just what the skyscraper’s ten dedicated communications floors (including one outdoors!), including 15 co-sited FM broadcasts, is all about.

The members had an opportunity to see for themselves the equipment that the industry entails. With the guidance of Paul Aked, an engineer who works with the equipment, they learnt about the successively larger FM combiners for radio broadcasting, the communications ducts that run all the way up the 328-metre building, and the numerous antenna dishes used for broadband internet and mobile networks. They also saw the matrices of 5-watt LEDs that light up the Sky Tower in different colours for special occasions.

IEEE Xtreme 3.0

It was the weekend before final exams for the semester, but that didn’t stop 45 members in 15 teams from putting study aside to program this night away. Such was the interest in the IEEE Xtreme competition at the University of Auckland that we had to book an extra lab to accommodate all the teams. The numbers made it a truly exciting atmosphere, with teams ranging from second-years to doctoral students and mixtures of everything in between. A team of volunteers from the Branch Executive Committee, led by Chuan-Zhe Ng Lee, helped the proctoring team keep competitors comfortable, fed and watered.

The efforts of competitors, proctors and helpers paid off. The Branch was proud to have six teams finish in the top 100, including two in the top 30 and one team, Citrus Celebration finishing in second place. But importantly, the competition brought to Branch members a sense of excitement and a new meaning to IEEE membership as they (in teams of three, of course) took on the world.

Chuan-Zhe Ng Lee
Chair, University of Auckland IEEE Student Branch

IEEE Jamia Millia Islamia, Delhi, India
GINI Meet at Jamia Millia Islamia

IEEE Jamia Millia Islamia organized and hosted an introductory session on GINI (Global Integrated Network of IEEE) on the 1st of September, 2009 with an aim of promoting and increasing networking between various student branches of IEEE. GINI aims at building a relationship between various student branches so that there is more networking and collaboration and every branch can prove to be mutually beneficial to every other.

The event was attended by eighteen Student Branches from both from Delhi as well as other outstation cities like Chandigarh, Pilani, etc. The entire event was divided into two parts, one being an introduction and discussion on GINI and the second being an interactive session with IEEE dignitaries.

Dr. V.R. Singh, Chairperson, IEEE Delhi Section kindly consented to be the chief guest of the event while Dr. Rachna Garg, Student Activities Coordinator, Delhi Section presided over the entire program. The event was also attended by IEEE Region 10 Student Activities Coordinator and Delhi Section Vice Chairperson, Dr. Mini S. Thomas.

Dr. V.R. Singh inaugurated the meeting with an inspiring and informative speech. Dr. Rachna Garg and Dr. Mini Thomas also spoke to the students at length about IEEE activities and events. This was followed by a short presentation on IEEE Jamia Millia Islamia and a vote of thanks by Hamza Khan, Chairperson, Students Branch IEEE JMI.

After the inaugural ceremony, a brief ice-breaking session was conducted where the student from different branches got a chance to interact and come to know each other. Moving into the next session of the day, a highly interactive and informative workshop in leadership skills was conducted by Mr. Daman Dev Sood. The workshop got everyone on their toes and was highly beneficial for everyone present there.

This was followed by the much awaited GINI presentation and demonstration by Ashutosh Mondal, former Vice Chairperson, IEEE JMI. He presented the basics about the GINI project and
then practically demonstrated how the project will be executed. All the attending colleges were divided into hubs based on geographical locations and were asked to collaborate and coordinate with each other over various issues, topics, events, etc. The experience of the students was further enhanced through a telephonic interaction with Mr. Prassana, from Bangalore. The workshop proved to be highly successful, with all branches participating very keenly, asking and answering queries, doubts and getting into the deep know how of the very crux of GINI.

The events of evening began with the welcome of the dignitaries from IEEE headquarters, Past President of IEEE (2008), Dr. Lewis Terman; IEEE Executive Director, Dr. James Prendergast; IEEE Managing Director, Peter Sobel and IEEE Staff Executive, Matthew Loeb. Dr. Terman officially released the fourth edition IEEE JMI’s quarterly newsletter, Carousel. This was followed by an informative and interesting address by Dr. Terman, who gave a brief insight on the history of IEEE, and stressed upon the importance of the society in the technological world as well as in each and every individual’s life.

Dr. Prendergast, in his presentation, also explained the functioning as well as the future plans of IEEE. All the dignitaries interacted freely with the students present both during the conference as well as during dinner.

The day was concluded with Iftaar (breaking of fast) followed by dinner sponsored by the IEEE headquarters. The students were extremely excited on meeting the IEEE executives and with the new concept of GINI. The atmosphere was filled right up to the brim with talks and discussions. The conference was organized successfully by the organizing team of IEEE JMI and GINI was sent off to a flying start.

Rachana Garg
SAC, Delhi Section

IEEE Student Branch CQ University
Networking Event 2009

The IEEE Central Queensland (CQ) University Student Branch recently conducted a networking event at engineering building premises to foster the benefit and opportunities for members, and to advance professions. Students and staff members from Computer, Information Technology, Mathematics, Engineering and Science background were invited. It offered an opportunity to existing and prospective members to network with people from similar discipline and find out how each can get involved with the IEEE activities. The event was sponsored by IEEE Queensland Section as a part of the membership drive. On the day, about 25 students and staff members from varying disciplines were present and signed up for membership.

The chief guest of the function was Professor Kevin Tickle, Pro-Vice Chancellor and Executive Dean at Faculty of Arts, Business, Informatics and Education at CQ University. The event was graced by Dr Shawkat Ali (Student Counsellor, IEEE CQUniversity Branch), Dr Amanullah Maung Than Oo (Advisor, IEEE CQ University Branch), Dr Andrew Chiou, Dr Ananda Jeva, Dr Yang Xiang, Dr Sanath Alahakoon, Dr Lily Li, Dr Ashfaqur Rahman, Dr Tasadduq Imam, Dr Ronald Dodd, Mr Mitchell McClanachan, Mr Clinton Hayes and other staff members of the university. IEEE CQ University Branch Student Counsellor Dr Shawkat Ali introduced Student Branch to the chief guest and the audiences. In the welcome speech Professor Tickle mentioned the diversity of disciplines among the members of the society and the opportunities nationally and internationally to network with professional areas.

Dr Mark Griffin, Student Activities Chair at Queensland Chapter addressed to the audiences through ISL linkage. He introduced several Student Branches in Queensland and the possibilities to linkage with industries through IEEE members. Dr Griffin encouraged suitable student members to take the opportunity to apply for IEEE Thesis Award which will not only provides a certificate of award but also recognize the effort a student put forward for an undergraduate thesis.

Dr Shawkat Ali presented the activities and scope of work with IEEE and its technical societies. From the student members, Ashfaq Chowdhury, Gang Liu and Silvio Cesare have been nominated as the Chair, Secretary and Treasurer of the Student Branch for the year 2009 - 2010. In the raffle draw

Students with IEEE executives at Jamia Millia Islamia, Delhi, India
among the members, Silvio Cesare, Violet Bellarmine and Tasadduq Imam have won the third and second prizes of IEEE USB Memory stick and first prize of free one year membership, respectively. Next year, the new committee is aimed to organise several technical sessions, industry visits and networking session for the continued professional development of the members. CQ University students and staff members in the fields of Computer, Information Technology, Mathematics, Engineering and Science background are welcome to join this eminent technical society.

Dr Shawkat Ali
Counsellor, IEEE CQ University SB, Australia

B. H. Gardi College of Engineering, Rajkot, India

Inauguration of IEEE Student Branch BHGCET

B. H. Gardi College of Engineering (BHGCET), Rajkot has established an IEEE Student Branch. The inaugural ceremony with a seminar was held on Friday, 7th of August 2009

The seminar was supported by IEEE Gujarat Section and organized by IEEE Student Branch BHGCET, Rajkot. Dr. Mehul Raval and Dr. Suman Mitra from IEEE Gujarat Section accepted the invitation and motivate the student for IEEE activities. We are thankful to Dr. Anil Roy and Prof. R. B. Jadeja for their kind support. This event was well supported by management and faculty members of the college. Total 350 students from various colleges participated in the event.

Dr. Mehul Raval, the Students Activities Chair delivered a motivating speech and introduced the IEEE. This speech was followed by two lectures, one by Dr. M.B. Patil from IIT Bombay and the other by Dr. Suman Mitra. Dr. M.B. Patil spoke on the historical perspective of Electrical Engineering. The talk presented a timeline starting from the big bang to the development of bipolar transistors. Dr. Suman Mitra talked about Multiple Digital Watermarking for the copyright protection. He explained how the redundancy in image representation can be exploited successfully to hide some characteristic information, e.g., trademarks, signatures, fingerprints, etc., in ordinary gray or colored images, without degrading the quality of the original image and with no extra memory space.

The students of the college also arranged group discussion on the various interesting topics such as:

- Does the civil defense service only serve the country?
  It was concluded that not only the civil defense services but each individual can serve the country if he or she does the service without any personal interest

- Do today’s media affect the mind sets of the youth?
  Discussion concluded that if the youth is really determined and clear with the objective, media can not affect their mindset

- In spite of all the comforts of the modern age, is today's youth a restless lot?

- Should professionals be banned from going abroad?

Students appreciated the topics as they were related to their fields of interest. The students of other colleges also participated actively with really good and solid points.

The students were picked up from the Group discussion for personal interviews. Three of them were selected as the winners and awarded with certificates.

Rakesh Oza
SB Counsellor, BHGCET, Rajkot, India

IEEE GCUF Student Branch, Pakistan

IEEE Computer Society GCUF

IEEE Computer Society Student Branch Chapter at Government College University Faisalabad (GCUF), Pakistan started in January 2009 with membership promotion campaign and number of promotional seminars. IEEE CompSoc Student Branch Chapter at GCUF is now officially formed and is the most active student branch chapter in Pakistan in terms of quality activities.

CompSoc Chapter at GCUF started enthusiastically and has organized 3 workshops, 5 technical talks and many technical and recreational tours and number of business meetings.
CompSoc GCUF also keeps participating in many of the national events. Teams of CompSoc GCUF also participated in IEEE Xtreme 3.0.

Very first event of CompSoc SB chapter was a two-day workshop on “Office Management” on 7 - 8th April 2009. This workshop was for the first semester students of general sciences. The second workshop was on “Graphics and File Handling in C++” on 13-14 May, 2009. This event actually was part of IEEE 125th Anniversary Celebrations and was organized on 13th May. Due to its specific domain, 55 students from three departments took part in it. Participating students really appreciated Computer Society for their sincere efforts to promote the vision of Computer Science and Computer Society. Preside CompSoc at GCUF initiated Tech Talk on different topics. It is actually a debate among students having different point of view and the final decision is made by the presiding person. The five Tech Talks have been on Computer Viruses, Ubiquitous Computing, How Neural Networks are base/core of Intelligent Systems, Machine Vs Brain, and Implementation of Computer Sciences in Daily Life. This initiative has been very successful and has received very good response from not only students but from IEEE Lahore Section also.

The third workshop of the year from CompSoc GCUF was a three-day workshop on “Implementation of OOP and Data Structures in JAVA” from 24 - 26 June, 2009. Participation in this workshop was 75 students from different departments.

IEEE CompSoc GCUF has also organized recreational and technical tours for students at different times. Two tours were organized at Al-Khuwarzmi Institute of Algorithms at UET Lahore to attend the invited lectures organized by CompSoc Chapter of IEEE Lahore Section. Recreational tours included“Wahga Border” Line of Control between India and Pakistan and to the historical Mughal Fort in Lahore.

On the technical tour to Lahore

I am very much thankful to all of my teachers specially Mr. Zeeshan Haider, Counselor IEEE-GCUF, all Ex-Com members, my team mates, my seniors specially Mr. Amir Zahoor, Lahore Section ExCom specially Dr. Zaeem Jafri, SAC Chair Lahore Section and R10 SAC Prof. Mini S. Thomas and Mr. Om Perkash Batra for their wonderful support and guidance which made 2009 a successful year for IEEE-GCUF.

Saad Zafar, IEEE SB GCUF, Faisalabad, Pakistan

IEEE ANITS Student Branch, India

Inauguration of IEEE Student Branch of Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam

Anil Neerukonda Institute of Technology and Sciences (ANITS) inaugurated its Student Branch (ANITS Student branch of IEEE) on 23rd Sept, 2009. The Chief Guest of the inauguration function was Prof. PVGD Prasad Reddy, Registrar of Andhra University, Visakhapatnam who also gave a keynote address on Trends and Advances in Computer Engineering. Shri V Tapovardhan, Secretary and Correspondent of the College said that this was the second Student Branch of IEEE in the Visakhapatnam region and wanted it to be a very proactive branch by conducting technical events regularly. Prof. VSRK Prasad, Principal of the college expressed his happiness for inaugurating the branch on the 125th Anniversary year of IEEE.

Prof. Prasad Gandikota, Student Branch Counsellor administered oath to the newly elected executive members, unveiled the objectives and future programs of the branch. The event was also graced by Prof. R Govardhan Rao, Director (Admin), Dr. Sridevi, Head Bio-technology Department, Prof. V Hanumantha Rao, Senior Professor, Prof. Suresh C Satapathy, Head, Department of Computer Sciences and Engineering, Prof. C Suresh Head, Department of Information Technology, Prof. C Ramesh, Department of Electronics and Communication Engineering and Mr. B Prasanth Student Branch Chair, Ms. Ushadevi Yachuri Branch Secretary. All the executive members of the branch and other students attended the function.

Prof. DVSS Sivasarma, Student Activity Chair, IEEE Hyderabad Section and Professor NIT Warangal had sent a best wishes message on the occasion.

Dr Prasad Gandikota
ANITS IEEE Student Branch Counsellor

Saad Zafar, IEEE SB GCUF, Faisalabad, Pakistan
IEEE Student Chapter IIT Roorkee, India

Commemoration of the Completion of 125 Years of IEEE

“Math Genie” the Annual IEEE Math Quiz witnessed huge participation. Around 210 Undergraduate and Postgraduate Students participated. The event was aimed to introduce IEEE and Student Chapter casually to the new entrants of the Institute. It helped us to earn a good name to carry forward to our other ventures and of course later paid its worth in the form of increased memberships.

There were three rounds for which problems were designed by the members of IEEE Student Chapter. A visual round was also held. The winners were given away prizes and certificates.

The second issue of GEEK GAZETTE, the IEEE Student Chapter IIT R technical magazine was released in October 2009. The magazine was started in the last semester to commemorate the completion of 125 years of IEEE and 25 years of IEEE Student Chapter at IIT Roorkee. The magazine received great reviews and was appreciated by students and faculty alike and is available at: http://www.iitr.ac.in/campus_life/web/IEEE/Template/pdf/Ge ekGazetteAut09.pdf

The Internship Talk was organized by the Student Chapter in November 2009. The talk was open to all the students of IIT Roorkee. Students were given tips on how to secure an internship in high ranked foreign universities, research labs and industrial firms by the seniors of the IEEE Student Chapter as well as other seniors on the campus. Another important aspect of the talk was to tell the students about how to utilize their IEEE email-alias for mailing for internship purposes. By organizing events of student liking IEEE Student Chapter was able to establish a distinct place among student’s heart. It was heartening to see that students from engineering colleges in the vicinity, like COER Roorkee also attended the talk. As expected, the auditorium was swarming with people and the applause at the end proved that the talk indeed was a huge success.

The “Intro Talk” as we like to call it here, was held on 6th of November. The Membership team gave a well pitched presentation to the participants. It dealt with topics like the introduction of IEEE, benefit of IEEE membership, the procedure for joining IEEE, different IEEE societies, etc. The Office Bearers shared their personal experiences with the participants. In the end, any doubts that the attendees had were clarified. Around 80 % increase in student membership is expected this year.

An IBM workshop on the open source Project - Eclipse was organized on 12th of November to give the students technical edge while working on their projects or applying for jobs and internships. Mr. Ayushman Jain from IBM was invited to be the speaker. Participants’ interest was evident from the fact that almost all of them had come with their own laptops with Eclipse IDE already installed on them. Thus, it ensured that participants got a hands-on experience. In the interactive session the doubts raised by the participants were answered by Mr. Ayushman Jain. The response of the students was a spirit lifter for the Student Chapter volunteers involved in organizing the workshop and encouraged us to arrange more such knowledge-oriented workshops in the future.

The IEEE Student Chapter has embarked on a new project in the form of the Annual Online Technical Festival “i-FEST”. The website for the fest was launched in November. i-FEST is a month and a half long technical extravaganza that kick starts off in January 2010 and shall continue till mid-February 2010. i-FEST is a conglomeration of a gamut of events that deal with technology in different aspects. Events like online paper submission contest, Long term Problem Contest and IDPs (Industrial Design Problems) are going to be main attraction of i-FEST 2010. The event aims at expanding the horizons of IEEE Student Chapter IIT Roorkee and providing a platform to young and imaginative minds of the country to find new solutions to real world problems.

Mohit Kalra
Chair, IEEE Student Chapter IIT Roorkee, India

IEEE-GRIET Student Branch, India

Advanced Autonomous Robotics Workshop - LogiTRIx

LogiTRIx, a 2-day Advanced Autonomous Robotics workshop, was conducted by Think LABS SINE IIT Bombay on 19th - 20th September, 2009. The two day workshop provided much knowledge about the basic principles about autonomous robots. Around 28 teams participated in the workshop with each team consisting of 3-5 members. 16 of the 28 teams were from IEEE-GRIET Student Branch and the remaining from other colleges. Each team was provided with kits to build the robot, which could perform the basic functionalities e.g. example a line following robot or a maze solving robot. Three sessions were scheduled on each day; morning session, pre-lunch session and post lunch session. The workshop covered insights into the working of autonomous robots. Topics like programming an AVR Micro controller, various types of actuators, stepper motors, sensors & feedbacks and interfacing them with micro controller were stressed upon.

Day 1 was theory and covered the basic things one needs to know before writing a program or programming a robot. Microcontroller in Basic C was emphasized. Day 2 covered interfacing and building the logic into a program. Kits were provided. Robots were assembled, programmed and tested.

At the end of the 2-day workshop a competition was held. The participants were given a task of programming the robot to traverse a path. There were about 3 rounds. The winners were
sent to participate in the Regional Rounds of Roboliga which was held at NIT Warangal on 26th September.

Tushin
IEEE-GRIET Student Branch, Hyderabad Section, India

IEEE VBIT Student Branch, India

XYLYX '09 & GINI Meet

“XYLYX ‘09” is a national level technical symposium organized by the IEEE Student Branch of Vignana Bharathi Institute of Technology (VBIT) on 5th, 6th & 7th March 2009. It is a three day technical fest which has competitions that lays emphasis on several areas. The event also organized workshops and exhibitions.

The individual events at XYLYX ‘09 included:

1. Thesis (paper presentation)
2. Congregano (Poster Presentation)
3. Envison (Project Presentation)
4. Codex (Programming contest)
5. Dexterity (circuit designing)
6. Automaton (Robotics)
7. Conceal (young manager’s contest)
8. Workshops.

XYLYX provides the students an arena to test and display their skills on a wide range of contests and inspires the students to think outside the box. Through XYLYX the Student Branch is providing a technical platform of international repute under the banner of IEEE. XYLYX is the ideal place for the students to interact and exchange their ideas and, a chance to show their prowess as well as gain insight into a plethora of subjects. XYLYX since its inception has been striving to be a centre to confluence creative talent across India.

More than 130 students from various institutes participated in the event. It was the second time the event was organized. In coordination with the event the GINI meet was also organized wherein D.S.S Siva Sarma (Section SAC), T.L Prasanna Venkatesan (GOLD Coordinator), Chaitanya Kumar Setti (GINI Representative) of IEEE Hyderabad Section attended the meet to train the students. During symposium a stall of IEEE was established with all the IEEE promotional print media to spread IEEE awareness.

2009 NOBEL PRIZE WINNERS INCLUDE THREE IEEE LIFE FELLOWS

Three IEEE Life Fellows, Dr. Charles K. Kao, Dr. Willard S. Boyle and Dr. George E. Smith, were named recipients of the 2009 Nobel Prize in physics. Recognized for breakthroughs involving the transmission of light in fiber optics and inventing an imaging semiconductor circuit, the three scientists created the technology behind digital photography and helped link the world through fiber-optic networks.
IEEE LUMS Student Chapter, Pakistan

2009 Activities

In an attempt to bring Pakistani universities on par with the latest international research and to give young Pakistani researchers a chance to share their work with the top academics of their fields, STEP (Science Technology and Education in Pakistan) "http://nextstepforward.net" has arranged a series of video lectures to be given by prominent academics and attended, via video conferencing, to students all over Pakistan. IEEE LUMS Student Chapter organized and managed the LUMS section of this initiative and so far following two talks have been held in this series:


2) Enabling Sustainable Rural Wireless Telemedicine by Dr. Sonesh Surana, in which he focused on the design and implementation of low-cost information and communication technologies (ICT) and related power infrastructure for developing regions. He received his PhD in Computer Science with the TIER research group at UC Berkeley in 2009.

The other programs organised this year by IEEE LUMS Student Chapter were:

1. MATLAB & Simulink Workshop
Continuing its effort to spread software awareness in LUMS, IEEE held a series of workshops on MATLAB Simulink from the 12th to the 14th of October. Dozens of students attended these sessions, where they learnt how this essential tool which has applications in fields as diverse as economics, pure mathematics, finance and so much more.

2. Faculty on the Line
Continuing tradition, IEEE LUMS held “Faculty on the Line” on the 2nd of February 2009. Fifty faculty members took part in this battle of the instructors in which we saw our teachers play musical chairs, throw darts, answer questions about popular culture and (the grand finale) play Nintendo Wii boxing. It was an amazing opportunity for the students and faculty to interact and was enjoyed by both alike.

3. Minute Madness
Another tradition, which IEEE LUMS upheld this year was its annual 3 Minute Madness. What is 3 minute madness, you might ask. Well every year we get the faculty to present their research to the student body, but instead of getting unlimited time to give long winded lectures they have just 3 minutes to present their years' work. This is the perfect formula for a fun filled yet informative evening, and we witnessed research work presented by our usually calm faculty rushing to stay within the time limit (finally, we got revenge for all the times we had to rush through quizzes due to time constraints!)

4. Geek-Speak
Gone are the days when being called a Geek was a bad thing. After all it is thanks to the Geeks of the world that we know have mobile phones, laptops, Facebook, Skype, iPods, DVD's; basically all the necessities of modern life. Yes, geeks are set to rule the world and at IEEE LUMS, we celebrate them through our biannual publication "Geek-speak". The first issue of this publication was launched by IEEE LUMS this year. It considers the latest gadgets to be more important than the latest gossip, which highlights scientific proceedings as the events worth discussing and which covers the hottest research being carried out in LUMS. Distributed amongst the science students and instructors of LUMS, GeekSpeak is the sole publication dedicated to this core group of individuals, who form and will continue to form a key component of the geek population of Pakistan.

Afrah Qureshi
Secretary, IEEE LUMS Student Chapter, Pakistan
IEEE Thadomal Shahani Engineering College (TSEC)
The Student Branch (IEEE-TSEC) is the largest Technical Society at TSEC and one of the largest Student Branches in the world. The first half of 2009 has been an extremely eventful time for IEEE-TSEC. The year started with the selection of the new committee for 2009. One of the first decisions made by the newly appointed committee was to adopt a new logo for the IEEE-TSEC brand name.

The next immediate and daunting task facing the new committee was organizing the annual IEEE-TSEC Industrial Trip. But before the trip came NEWTON, IEEE-TSEC’s first ever intra-collegiate technical cum fun festival 2009 was the brainchild of the IEEE-TSEC committee for the year 2009. With our major technical festival ISAAC in the following semester, it was our way of giving the members a glimpse of what IEEE-TSEC is all about!

NEWTON 2009 was conducted over a span of 3 days (4th-6th Feb) with one event on each day. As participation in every event of Newton was in teams of 2, the tagline for NEWTON 2009 was: For every team, there is an equal and opposite team. Our aim was to make the first year students better acquainted with the college and give them an idea of what it means to be a part of the IEEE-TSEC family. Judging by the large number of participants; both members and non members, coupled with their unbridled enthusiasm, NEWTON’s first edition was a stupendous success and in this itself we feel we achieved what we set out to do!

On the first day we visited Bidadi, a prominent industrial region in Bangalore where we visited Coca Cola (bottling plant), Quality Closures (bottle caps manufacturing), MicroLabs and Mahendra Alloys and Mahendra Copper Industries (manufacture and export of aluminium and copper wires).

Then came the icing on the cake. We next visited Intel in Electronic City where we took a tour of Intel's testing labs where hundreds of processors are being tested rigorously and analysed for performance. Later that day, we visited the Microsoft Global Technical Support Centre. Here we were greeted by professionals from the industry who imparted knowledge about the SQL Server and gave us sneak video previews on surface computing, Windows 7 and the new Windows Mobile.

We left for Ooty the next day which is quite rightly called the Queen of Hill Stations in the South. Ooty was a welcome change from the hot, humid weather of Bangalore with temperatures dropping really low. In Ooty we visited the beautiful Dodabetta peak which was then followed by a visit to the Dodabetta Tea Factory and Museum. The following day we left for Kodaikanal, a beautiful hill station around 8 hours away.

Kodaikanal had us mesmerized with her beautiful slopes and lakes. On the last day we organized a campfire for the students which had some superb performances from the students and even a fireworks display. It was truly a perfect ending to ten most amazing and memorable days. The industries we visited, the places we saw and the moments spent in the company of friends, old and new, will linger in our hearts forever. We came back to Mumbai on the 30th of March with memories sure to last us a lifetime and the IEEE chant still resounding in our minds.

The IEEE-TSEC Industrial Visit has now become one of the biggest highlights of the IEEE-TSEC schedule. As always, the places chosen are a combination of progress, nature and beauty all rolled into one, and this year was no different. The 2009 Industrial Visit saw us taking off to Bangalore, Ooty and Kodaikanal.

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

As the second half of the year begins and the biggest highlight, our National Technical Festival, ISAAC 2009 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. Last year ISAAC completed 10 glorious years, and this landmark was etched with new contests, workshops and a whole range of fun events. With ISAAC 2009 we hope to continue our tradition of excellence so that we can raise the benchmark once more.

For further information, visit us at www.ieee-tsec.org

Ambreen Kazi, Web Editor – IEEE-TSEC
2010 International Conference on Machine Vision and Human-Machine Interface (MVH I)
24 Apr - 25 Apr 2010
Conference Location: Kaifeng, China
Sponsored By: Calcutta Section CAS Chapter
Abstract Submission Deadline: 30 Dec 2009
Final Paper Submission Deadline: 20 Feb 2010
http://www.icsa-association.org/mvh/

2010 International Symposium on Computer, Communication, Control and Automation (3CA)
05 May - 07 May 2010
Conference Location: Tainan, Taiwan
Sponsored By: Taipei Section CAS Chapter, Ukraine Section IM/CIS Joint Chapter
Abstract Submission Deadline: 01 Feb 2010
Final Paper Submission Deadline: 15 Mar 2010
http://www.ieee3ca.org/

2010 International Conference on Microwave and Millimeter Wave Technology (ICMMT)
08 May - 11 May 2010
Conference Location: Chengdu, China
Sponsored By: Electron Devices Society - ED, Microwave Theory and Techniques Society - MTT, Beijing Section, Chengdu Section, Nanjing Section, Shanghai Section
Abstract Submission Deadline: 10 Jan 2010
Final Paper Submission Deadline: 01 Apr 2010
http://www.mws-cie.org/icmmt2010

2010 10th International Conference on Information Sciences, Signal Processing and their Applications (ISSPA)
10 May - 13 May 2010
Conference Location: Kuala Lumpur, Malaysia
Sponsored By: Malaysia Section SP Chapter
Final Paper Submission Deadline: 15 Feb 2010
http://www.isspa2010.com/

2010 International Workshop on Junction Technology (IWJT) 10 May - 11 May 2010
Conference Location: Shanghai, China
Sponsored By: Electron Devices Society - ED
Abstract Submission Deadline: 15 Jan 2010
Final Paper Submission Deadline: 01 Apr 2010
http://www.iwjt2010.com

2010 6th International Conference on Networked Computing (INC) 11 May - 13 May 2010
Conference Location: Gyeongju, Korea (South)
Sponsored By: Seoul Section
Abstract Submission Deadline: 20 Jan 2010
Final Paper Submission Deadline: 20 Mar 2010
http://www.aicit.org/inc/

2010 7th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON 2010)
19 May - 21 May 2010
Conference Location: Chiang Mai, Thailand
Sponsored By: Thailand Section
Abstract Submission Deadline: 15 Jan 2010
Final Paper Submission Deadline: 19 Mar 2010
http://ecticon2010.org/

21 May - 24 May 2010
Conference Location: Wuhan, China
Sponsored By: Shanghai Section
Abstract Submission Deadline: 10 Jan 2010
Final Paper Submission Deadline: 10 Mar 2010
http://www.icfcc.org/

2010 2nd International Workshop on Intelligent Systems and Applications (ISA) 22 May - 23 May 2010
Conference Location: Wuhan, China
Sponsored By: Harbin Section
Abstract Submission Deadline: 31 Dec 2009
Final Paper Submission Deadline: 16 Jan 2010
http://www.icaiss.org/isa2010/

2010 2nd International Conference on Industrial Mechatronics and Automation (ICIMA 2010)
30 May - 31 May 2010
Conference Location: Wuhan, China
Sponsored By: Industry Applications Society - IA
Abstract Submission Deadline: 01 Feb 2010
Final Paper Submission Deadline: 15 Mar 2010
http://www.ieee-ett.cn/icima2010/index.htm

2010 IEEE International Conference on Management of Innovation & Technology (ICMIT 2010)
02 Jun - 05 Jun 2010
Conference Location: Singapore, Singapore
Sponsored By: Technology Management Council - TMC, Singapore Section, Singapore Section TMC Chapter
Abstract Submission Deadline: 01 Jan 2010
Final Paper Submission Deadline: 01 Apr 2010
http://www.icmit2010.org/

2010 Fourth IEEE International Conference on Secure Software Integration and Reliability Improvement (SSIRI)
09 Jun - 11 Jun 2010
Conference Location: Singapore, Singapore
Sponsored By: Reliability Society - R
Abstract Submission Deadline: 08 Jan 2010
Final Paper Submission Deadline: 01 Apr 2010
http://paris.utdallas.edu/ssiri10/

2010 International Conference on Information and Emerging Technologies (ICIET)
14 Jun - 16 Jun 2010
Conference Location: Karachi, Pakistan
Sponsored By: Karachi Section, Karachi Section C Chapter
Abstract Submission Deadline: 15 Jan 2010
Final Paper Submission Deadline: 01 May 2010

2010 IEEE International Conference on Rfid-Technology and Applications (RFID-TA)
17 Jun - 19 Jun 2010
Conference Location: Guangzhou, China
Sponsored By: Technical Committee on RFID - CRFID
Abstract Submission Deadline: 30 Jan 2010
Final Paper Submission Deadline: 01 May 2010
http://www.ieee-rfidta.org/

2010 International Conference on Advances in Energy Engineering (ICAEE)
19 Jun - 20 Jun 2010
Conference Location: Beijing, China
2010 International Conference on Intelligent Computing and Cognitive Informatics (ICICCI)
22 Jun - 23 Jun 2010
Conference Location: Kuala Lumpur, Malaysia
Sponsored By: United Kingdom & Republic of Ireland Section Computer Chapter
Abstract Submission Deadline: 01 Mar 2010
Final Paper Submission Deadline: 30 Mar 2010
http://www.rccmtsinghua.edu.cn/ICICCI2010/

2010 IEEE International Conference on Wireless Communications, Networking and Information Security (WCNIS)
25 Jun - 27 Jun 2010
Conference Location: Beijing, China
Sponsored By: Systems, Man, and Cybernetics Society - SMCC
Abstract Submission Deadline: 20 Jan 2010
Final Paper Submission Deadline: 05 May 2010
http://www.ieee-wcnis.org/

2010 7th International Conference on Service Systems and Service Management (ICSSSM2010)
28 Jun - 30 Jun 2010
Conference Location: Tokyo, Japan
Sponsored By: Systems, Man, and Cybernetics Society - SMCC
Abstract Submission Deadline: 20 Jan 2010
Final Paper Submission Deadline: 15 Mar 2010

2010 IEEE Conference on Cybernetics and Intelligent Systems (CIS) and IEEE Conference on Robotics, Automation and Mechatronics (RAM)
28 Jun - 30 Jun 2010
Conference Location: Malacca, Malaysia
Sponsored By: Singapore Section RA Chapter, Singapore Section SMCC Chapter
Abstract Submission Deadline: 18 Jan 2010
Final Paper Submission Deadline: 30 Apr 2010

Conference Location: Chonburi, Thailand
Sponsored By: Thailand Section COM Chapter
Abstract Submission Deadline: 30 Apr 2010
Final Paper Submission Deadline: 11 Jun 2010
http://www.itc-cscc2010.org/

2010 15th Opto Electronics and Communications Conference (OECC) - 05 Jul - 09 Jul 2010
Conference Location: Sapporo, Japan
Sponsored By: Photonics Society - PHO
Abstract Submission Deadline: 01 Feb 2010
Final Paper Submission Deadline: 01 Feb 2010
http://www.oecc2010.org/

05 Jul - 09 Jul 2010
Conference Location: Singapore, Singapore
Sponsored By: Electron Devices Society - ED, Reliability Society - R, Singapore Section, Singapore Section R/ED/CPMT Joint Chapter
Abstract Submission Deadline: 18 Jan 2010
Final Paper Submission Deadline: 09 May 2010
http://ewh.ieee.org/reg/10/ipfa

2010 International Conference on Machine Learning and Cybernetics (ICMLC) 11 Jul - 14 Jul 2010
Conference Location: Qingdao, China
Sponsored By: Systems, Man, and Cybernetics Society - SMCC
Abstract Submission Deadline: 01 Mar 2010
Final Paper Submission Deadline: 05 May 2010
http://www.icmlc.com

2010 Second Pacific-Asia Conference on Circuits,Communications and System (PACCS)
01 Aug - 02 Aug 2010
Conference Location: Beijing, China
Sponsored By: Northern Australia Section MTT/COM Joint Chapter
Abstract Submission Deadline: 01 Mar 2010
Final Paper Submission Deadline: 01 Jun 2010
http://www.rita-association.org/paccs/

2010 First International Conference on Integrated Intelligent Computing (ICIC)
05 Aug - 07 Aug 2010
Conference Location: Bangalore, India
Sponsored By: Computational Intelligence Society - CIS
Abstract Submission Deadline: 31 Jan 2010
Final Paper Submission Deadline: 31 May 2010
http://www.dline.info/icic2010/default.php

2010 Sixth International Conference on Natural Computation (ICNC) - 10 Aug - 12 Aug 2010
Conference Location: Yantai, China
Sponsored By: Circuits and Systems Society - CAS
Abstract Submission Deadline: 10 Jan 2010
Final Paper Submission Deadline: 10 Mar 2010
http://eds-harbin2010.hit.edu.cn

IEEE Students' Technology Symposium 2010 (IEEE TechSym 2010) - 3-4 April 2010
Conference Location: IIT Kharagpur, India
Sponsored by: IEEE Kharagpur Section, Engineering in Medicine and Biology Society, Education Society SAC, Women in Engineering
Full Paper Submission Deadline: 15 January 2010
http://www.techsym.in

2010 CPMT Symposium Japan (Formerly VLSI Packaging Workshop of Japan) 24 - 26 Aug 2010
Conference Location: Tokyo, Japan
Sponsored By: Components, Packaging and Manufacturing Technology Society - CPMT
Abstract Submission Deadline: 15 Feb 2010
Final Paper Submission Deadline: 15 May 2010
http://vki-pkg-ws.org/