

Editor: Zia Ahmed

### IEEE President's Message

Dear IEEE Members:

Earlier this year the IEEE Community responded with generosity and compassion to the devastating earthquake in Haiti by donating to an IEEE fund established through the IEEE Foundation. Today, as the world begins to realize the significance of the recent massive flooding in Pakistan, IEEE is responding to the need for international support and has established the IEEE Pakistan Engineering Educational and Professional Development Rebuilding Fund. IEEE volunteers, members, staff and friends are encouraged to contribute to this fund. IEEE will match the first US\$50,000 in donations.

Pakistan's worst floods in recorded history began in July in the mountainous northwest and have spread throughout the country. According to recent reports, some 20 million people and 62,000 square miles (160,000 square kilometers) of land — about one-fifth of the country — have been affected.

You may contribute to the IEEE Pakistan Engineering Educational and Professional Development Rebuilding Fund online through the IEEE Foundation or by check to IEEE Foundation – Pakistan Fund. Checks should be mailed to the IEEE Development Office, 445 Hoes Lane, Piscataway, NJ 08854. Donations from IEEE organizational units (Societies, Sections, conferences, etc.) can be made using existing governance processes.

Fund disbursements will be managed by the IEEE Region 10 Director in consultation with the leadership of the IEEE Sections in Pakistan and the Region Committee. According to IEEE policy, the disbursements may be in the form of grants to academic institutions, charitable organizations, or used for such things as equipment, services, scholarships and classroom and laboratory materials. They also may be used to support programs developed for retraining or other professional activities to help engineering and technology professionals.

We are hopeful that your generosity will support the IEEE commitment to humanitarian efforts of rebuilding affected areas in Pakistan. Together, we increase the impact of our contributions with the IEEE US\$50,000 dollar-for-dollar match. Members who wish to support immediate relief efforts are encouraged to work through an established organization of their choice.

For more information or questions regarding the IEEE Pakistan Engineering Educational and Professional Development Rebuilding Fund please contact the IEEE Contact Center.

Sincerely,

**Pedro Ray**  
2010 IEEE President and Chief Executive Officer

### In this Issue.....

#### IEEE President's Message

#### IEEE President-Elect & R10 Candidates

#### IEEE HQ News & Highlights

#### IEEE R10 News & Highlights

- Professor Toshio Fukuda wins 2010 IEEE Robotics & Automation Award
- Presidents Change The World Competition - Bandung Institute of Technology, Indonesia in Top 3 Winners
- University of Hyderabad Wins 2010 Supporting Friend of IEEE MGA Award
- R10 WIE Affinity Group of the Year Award 2009 Winner: SIT IEEE Student Branch, India
- R10 Logo Design Competition
- **Call for Nominations** – R10 Outstanding Volunteer Award, GOLD Award, Historical Achievement Award, Academia-Industry Partnership Award, MMI Award, and MIMI Award
- Chapter Activities in Region 10
- New R10 GOLD Coordinator

#### IEEE R10 Councils & Sections - News & Highlights

- IEEE Taipei Section
- IEEE Kerala Section
- IEEE Bangladesh Section
- ISTAS 2010 Conference, Wollongong Australia
- IEEE Japan Council (Tokyo GOLD)

#### IEEE R10 Student Branches - News and Highlights

- IEEE SB, The University of Auckland, New Zealand
- IEEE HIIT WIE Student AG, Pakistan
- IEEE SB RUET, Bangladesh
- IEEE SB Amrita School of Engineering, India
- IEEE SB ISTAR, Gujarat, India
- IEEE SB College of Engineering, Trivandrum, India
- IEEE SB East West University, Bangladesh
- IEEE SB VESIT, Mumbai, India
- IEEE SB UIT, Karachi, Pakistan
- IEEE Student Branch, IIT Kharagpur, India
- IEEE WIE NEDUET, Karachi, Pakistan

#### Upcoming IEEE Conferences in Region 10

### A Message from the Region 10 Director

We are saddened to learn that many of our members and their families, colleagues and friends in Pakistan are affected by the devastating floods as it ripples through their communities.

Let us reach out to help our IEEE family through this difficult time of need. I encourage you to donate generously to help rebuilt their communities and institutions of learning, and to give them hope for the future.

Our thoughts and well wishes are with them in these trying times.

**Prof. Yong-Jin Park**  
Region 10 Director (2009-2010)

## 2010 IEEE ANNUAL ELECTIONS

### 2011 Candidates

#### IEEE President-Elect 2011 Candidates



**Gordon W. Day**

[g.day@ieee.org](mailto:g.day@ieee.org)  
[www.gwday.net](http://www.gwday.net)



**Joseph V. Lillie**

[j.lillie@ieee.org](mailto:j.lillie@ieee.org),  
<http://ieee.joelillie.com>  
<http://www.facebook.com/group.php?gid=83043765837>

#### Watch the 2010 IEEE President-Elect Candidates Roundtable Q&A on IEEE.tv

IEEE President-Elect candidates Gordon Day and Joe Lillie recently participated in a Q&A roundtable discussion hosted by Marko Delimar, Director-Elect of IEEE Region 8. Candidates answered questions submitted by IEEE members on a variety of topics, including membership models, new products and services, and the current and future state of IEEE.

Watch the roundtable Q&A on IEEE.tv. <http://www.ieee.tv/>

#### R10 Director's Message

Dear IEEE members in the Asia Pacific Region,

The time for election has come to elect officers for this forthcoming year. I believe all of you have received the ballot and you can vote on-line or by postal mail. We are to select the IEEE Region 10 Director-elect 2011-2012 (the elected candidate will be IEEE Region 10 Director in 2013-2014) and IEEE President-Elect 2011 (the elected candidate will be IEEE President in 2012).

It is very important that all IEEE members in the Asia Pacific vote.

In 2009, 14.6% of members from Region 10 voted for the election, which was lower than the world average of 15.3%. Consequently, we are perceived as a small force of 14.6% in spite of the largest Region in the world. This makes it difficult to pass proposals beneficial to our region members.

In order to be treated as a Region with around 86,000 members, all eligible members and postgraduate student members should participate in the election and vote.

Please make an effort to vote as soon as possible so that you keep clear of any problems, if any, before the deadline. It takes only a few minutes.

Candidate information is available on the on-line ballot. You can vote at <https://www.directvote.net/ieee/> or by postal mail.

**Yong-Jin Park**

**IEEE Region 10 Director (2009-2010)**

#### IEEE Region 10 Director-Elect 2011 - 2012 Candidates



**Jose B. Cruz, Jr.**

<http://web.me.com/joe.cruz/IEEE>



**Toshio Fukuda**

[www.mein.nagoya-u.ac.jp](http://www.mein.nagoya-u.ac.jp)



**Ramakrishna Kappagantu**

[www.kramakrishna.com](http://www.kramakrishna.com)

Your individual ballot for the 2010 IEEE Annual Election has been sent to you via first class mail.

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. All eligible voting members should have received a paper ballot and a postage-paid reply envelope in their ballot package. Candidates' biographical information can be found at the annual election Web site at <http://www.ieee.org/elections>. The annual election candidate biography booklet is only provided to those members who voted by paper ballot in the 2009 election or those who indicated in their member preference profile to receive a print biography booklet.

Your vote is important to the IEEE. You are encouraged to learn as much as you can about the candidates and participate in the annual election.

Please visit <https://www.directvote.net/ieee/> to access your ballot. To authenticate access, please use your IEEE Web Account or the Control Number and E-Signature on the paper ballot.

**Vote & You Can Get Money for Your Section:** The Region 10 will offer bonuses again in 2010, namely \$500, \$300 and \$200 to Sections with the highest voting percentage in the IEEE Elections 2010.

## IEEE HQ News & Highlights

### IEEE Day - Celebration Begins 7 October 2010

IEEE Day is a global event planned for 7 - 8 October 2010, in recognition of IEEE members -- past, present, and future -- on the anniversary of the first time IEEE members gathered to share their technical ideas in 1884. IEEE organizational units (Regions, Sections, Chapters, Affinity Groups, Student Branches, etc.) are encouraged to participate by providing local events for their members and encouraging the use of social networking to communicate members' technological achievements, interests, and successes. IEEE Day is on [Facebook](#), [Twitter](#), [Flickr](#), and [LinkedIn](#).

IEEE Day is a project initiated by Salima Kaissi, a Region 8 GOLD member, through the 2010 MGA Challenge. The concept was further developed by a group of interested GOLD and Student volunteers and is sponsored by IEEE Member and Geographic Activities.

IEEE Day is a project that grounds its roots in a simple concept: Celebrate everywhere around the world the achievements of IEEE members. The project aims to build a platform and a network where all IEEE members, Affinity Groups, Sections, Regions, Chapters, Societies, and technology lovers in general can organize events in their home locations. Any type of event is welcome!

Put IEEE Day -- 7 - 8 October 2010 -- on your calendar and start thinking of creative ways to participate in the excitement. Use IEEE Day to tell us about yourself, share your work, and get to know your fellow members.

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### Dates for Sections Congress 2011: 19 - 22 August

IEEE Sections Congress 2011 will be held 19 - 22 August 2011, in San Francisco, California, USA, at the San Francisco Marriott Marquis. All Section Chairs should mark the dates on their calendars since each Section is strongly encouraged to send at least one representative to this event. The MGA Board will cover the registration fee and hotel nights (3 or 4) for each Section primary delegate.

This is the 10th triennial gathering of IEEE Section leadership. It is the opportunity for IEEE representatives from all over the world to participate in an event which provides them with the tools and training to assist their unit in focusing activities solely on the member and increasing members' participation in IEEE activities. The event includes four days of working sessions and networking. Workshop, panel, and tutorial sessions are held on topics of interest to Sections.

IEEE Sections Congress provides a forum where Section Chairs speak as the collective voice of IEEE members, expressing ideas about how IEEE can better serve its members, both now and going forward. Past issues generated at Sections Congress have had a major impact on the plans made by IEEE leadership for the future of IEEE. Save the Date for Sections Congress 2011: 19 - 22 August

[http://www.ieee.org/societies\\_communities/geo\\_activities/sections\\_congress/2011/DF\\_IEEE\\_MIG\\_MCT\\_100637](http://www.ieee.org/societies_communities/geo_activities/sections_congress/2011/DF_IEEE_MIG_MCT_100637)

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### Highlights from the June Board Meeting Series

At the June IEEE Board Meeting Series, the IEEE Board of Directors made the following decisions:

- Approved that to support IEEE's strategy, an IEEE office is scheduled to open in Bangalore, India, in late September 2010.
- Revised the Financial Operations Manual to clarify the use of reserves for Organizational Unit new initiatives, as opposed to operational activities.
- Authorized the IEEE Power & Energy Society (PES) to transfer up to US\$1 million of its 2010 operating surplus to the IEEE Foundation to be placed in the IEEE PES Scholarship Fund. The IEEE PES Governing Board was authorized to administer the scholarship program and to raise funds in coordination with the IEEE Development Office and IEEE Foundation.
- Gave approval to move forward with a joint venture with the American Society of Mechanical Engineers (ASME), called Engineering for Change (E4C), focused on humanitarian applications of technology. Authorized 2010 New Initiatives funding in the amount of US\$355,250.
- Approved that the IEEE Conferences Committee and the Publication Services and Products Board (PSPB), working jointly with the Technical Activities Board (TAB) and the Member and Geographic Activities Board, will conduct a thorough overview of existing policies and practices pertaining to quality assurance of IEEE conference papers.

The IEEE Member and Geographic Activities (MGA) Board made the following decisions:

- Approved the Sections Congress 2011 draft program schedule.
- Approved the elevation of the IEEE Pune Subsection to the IEEE Pune Section in Region 10.
- Approved the formation of six IEEE Subsections in Region 10:
  - Malabar Subsection of the Kerala Section
  - Taiyuan Subsection of the Xian Section
  - Guangzhou Subsection of the Beijing Section
  - Guangxi Subsection of the Beijing Section
  - Hebei Subsection of the Beijing Section
  - Changsha Subsection of the Beijing Section

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### Important Information for Conference Organizers

Beginning with conferences held in 2011, the IEEE Conference Publications Program will not be making acquisition payments to conferences that are only Technically Co-Sponsored (TCS) by IEEE. This change was approved at the November 2009 IEEE Board Series Meetings.

For TCS conferences, the acquisition payment has been US\$1,000. Conference organizers should adjust their 2011 conference budgets accordingly to account for this change. Please e-mail IEEE Conference Staff ([confpubs@ieee.org](mailto:confpubs@ieee.org)) for more information.

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### 2010 IEEE ROBOTICS AND AUTOMATION AWARD Conferred to Professor Toshio Fukuda



The 2010 IEEE Technical Field Award in Robotics and Automation was presented to Toshio FUKUDA for leadership and pioneering contributions to Intelligent Robotic Systems and Micro- and Nanorobotic systems. Dr. Fukuda received the award at the awards ceremony at the IEEE International Conference on Robotics and Automation in Anchorage, USA.

The intelligent robotics and micro- and nanorobotics systems developed by Dr. Fukuda are considered milestone contributions to robotics and automation technology. Dr. Fukuda is known as a pioneer in the field of Intelligence Systems for his research on Modular Robotic Systems called Cellular Robotic System “CEBOT”. Dr. Fukuda developed brachiation controllers, which are important for providing more natural movement in robots. Based on an ape’s brachiation (the pendulum-like movement involved when swinging from tree limb to tree limb), Dr. Fukuda and colleagues addressed “swing locomotion” and “swing up”



behaviors resulting in a robot capable of continuous movement over several rungs of a ladder. He pioneered microrobotics technology including the microsensors and microactuators that make the miniature systems possible, and his medical intravascular microsurgery simulator has found commercial use. Dr. Fukuda has worked on three-dimensional manipulation of

carbon nanotubes for nanosensors and nanoactuators, with implications for biotechnology applications. He has studied nanorobotic manipulation systems used for sample preparations and cell manipulation/evaluation with carbon nanotubes. An IEEE Fellow, Dr. Fukuda is a professor in the Department of Micro-Nano Systems Engineering at Nagoya University, Japan.

### WINNERS OF PRESIDENTS CHANGE THE WORLD COMPETITION

#### Bandung Institute of Technology, Indonesia among the Top3 Winners

IEEE President Pedro Ray and President-elect Moshe Kam announced the winners of the second [IEEE Presidents' Change the World Competition](#) at the IEEE Honours Ceremony in Montreal, Canada on Saturday, 26 June 2010. The competition recognizes students from around the globe who have solved real-world problems using engineering, science, leadership and computing skills.

Students at Imperial College London, U.K., won first place and the US\$10,000 IEEE Student Humanitarian Supreme Prize for project E.QUINOX, a hydro-powered generator that brought power to 60 households in a remote village in Rwanda. In honour of the team's achievement, the Ceres Connection at the MIT Lincoln Laboratory is naming a minor planet after the members.

The second place winners from the California Institute of Technology and the University of Southern California, U.S., received the US\$5,000 IEEE Distinguished Student Humanitarian Prize for their project Dr. Algae: Bio-indicator for heavy metal pollution alert and a rapid test system. The portable metal monitors for the presence of pollutants in various outdoor and indoor environments and provides real-time alerts that can potentially reduce health threats to millions.

The third place winners from the **Bandung Institute of Technology, Indonesia**, were awarded the US\$2,500 IEEE Exceptional Student Humanitarian prize for PALAPA: Development of an Energy, Economy and Health Independent Region in Indonesia. The project's focus is on establishing engineering disciplines and improving energy provisions for a rural community in a remote region in Indonesia.

The top three teams were chosen from 196 individual and group submissions. Read the full news release at:

[http://www.ieee.org/about/news/2010/28june\\_2010.html](http://www.ieee.org/about/news/2010/28june_2010.html)

Learn more about the winning entries at:

<http://www.ieeechangetheworld.org/submission/finalists.html>

#### University of Hyderabad Wins 2010 Supporting Friend of IEEE Member and Geographic Activities Award

We recently received the good news from the MGAB that University of Hyderabad, in Hyderabad, India, has been selected as a recipient of the 2010 Supporting Friend of IEEE Member and Geographic Activities Award.

The Supporting Friend of IEEE Member and Geographic Activities Award was established to recognize those individuals, organizations, or divisions of organizations, who encourage/support IEEE activities and/or volunteerism through their practices.

IEEE recognized the University of Hyderabad for supporting IEEE Hyderabad Section activities; for encouraging faculty members to become IEEE members and also to take up volunteering in the Hyderabad Section - giving support in terms of time, facilities, and environment, such as permission to travel and leave. IEEE recognizes that the most significant support was given for TENCON 2008, offering to organize the event on its university

premises, providing logistical and audio-visual services, and permitting faculty and staff to volunteer during the five days of conference.

The citation for the award says:

*For outstanding and continued support of the IEEE Hyderabad Section by providing significant contributions to Section meetings, encouraging faculty to serve as IEEE volunteers, and hosting both TENCON 2008 and the Workshop on Cloud Computing 2009.*

Congratulations to University of Hyderabad for the excellent support and contributions!!

**Takatoshi Minami**  
**Chair, IEEE R10 Awards & Recognition Committee**

**The R10 WIE Affinity Group of the Year Award 2009 Winner:**

**SIT IEEE Student Branch, India**

The R10 WIE Affinity Group of the Year Award is given annually to one WIE Affinity Group in Asia Pacific Region that has shown outstanding leadership and initiative in organizing activities. The awarding of the certificate is based on programs that took place during the period of 1 January to 31 December of the award year.

The R10 WIE award committee is happy to announce that the R10 WIE Affinity Group of the Year Award for the year 2009 is won by SIT (Siddhaganga Institute of Technology) IEEE Women in Engineering Affinity Group under Bangalore Section. The committee received seven nominations out of which the SIT IEEE SB WIE Affinity Group was declared the winner on the basis of the quality of activities organized by it and the outreach provided.

The SIT WIE Affinity Group will be awarded a subsidy in the amount of US\$250 for future Affinity Group activities and a Certificate of Recognition. It may be of interest to note that the R10 WIE Affinity Group of the Year Award 2008 was won by Japan Council WIE.

**Ramalatha Marimuthu**  
**IEEE R10 WIE Coordinator**

#### **Call for Proposals to Host TENCON 2013**

I would like to invite Sections to submit a proposal to host TENCON 2013. Your proposal should provide information on the following:

1. Venue of Conference, City, etc
2. Proposed Dates
3. Proposed Theme, Focus and Scope of Conference
4. Info on Hotel such as Hotel rates, star-rating, etc.
5. Proposed Fees (Member, Non-member, Student member, Student Non-member)
6. Accessibility to the City by Air
7. Preliminary Budget
8. Other relevant information (photos of city and venue, if possible) - Attractions of City

Please forward your proposal to [ieeepo@pacific.net.sg](mailto:ieeepo@pacific.net.sg) by 30th of September, 2010.

**Marzuki Khalid** ([marzuki.khalid@gmail.com](mailto:marzuki.khalid@gmail.com))  
**IEEE R10 Conference Coordinator**

#### **Call for Nominations**

##### **2010 R10 Outstanding Volunteer Award**

The R10 Outstanding Volunteer Award aims to recognize those volunteers who have made outstanding contributions to a particular Region 10 Section.

For details of this nomination including the nomination form, please visit the [announcement](#) on the [R10 Website](#). I have also sent the announcement to all R10 Section Chairs by email.

Please complete the nomination form and send it to Fanny Su, IEEE APO Office at [ieeepo@pacific.net.sg](mailto:ieeepo@pacific.net.sg).

The nomination deadline is 31 October 2010.

Should you need more information, please contact [taka.minami@jp.fujitsu.com](mailto:taka.minami@jp.fujitsu.com).

Thank you in advance for your kind considerations and participation.

With best regards,

**Takatoshi Minami**  
**Chair, IEEE R10 Awards & Recognition Committee**

## **The Region 10 Logo Competition**

### **A Chance to Win USD 500!!!**

The IEEE Region 10, also referred as the Asia Pacific Region, with a membership over 77,000 is one of the largest and fastest growing regions of IEEE. It covers a geographical area stretching from South Korea and Japan in the north-east to New Zealand in the south, and Pakistan in the west.

In order to create a compelling and substantial visual identity of the Region 10, this competition seeks a logo representing commitment, aspirations and cultural diversity of IEEE members in the Asia Pacific region.

The competition is open to only IEEE members in Region 10, including student members. Participants may compete as an individual or as a team. In case of teams, the team leader must be an IEEE Member or IEEE Student Member. Children of IEEE members can also participate as team members.

All IEEE Sections, Student Branches and Branch Chapters in Region 10 are also eligible to take part in the contest.

**A cash prize of USD 500 will be awarded to the winning design.**

There are strict rules and conditions for the competition. You can download rules and conditions from R10 website ([or click here](#)).

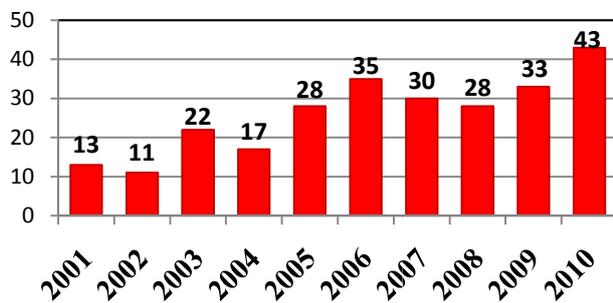
Entries will be accepted up to close of business in Singapore on 31 October 2010 via email to IEEE Asia-Pacific Operations Centre in Singapore.

Email: [ieeepo@ieee.org](mailto:ieeepo@ieee.org)

## Chapter Activities in Region 10

We have seen unprecedented growth in Chapter activities in Region 10. Members have shown their keen interest in keeping their Chapters active and adding new Chapters in their Sections. In 2010, till the end of July, we have added 43 new Chapters in the Region which is all time high and more are in pipeline. Now total numbers of Chapters in Region 10 are 480 and still growing. We have also seen an increase in activities of the Chapters in Region 10. Numbers of inactive Chapters have drastically reduced to 3% in 2010 from 13% in 2009, which is very encouraging.

Chapters are your local link to the valuable resources available from the IEEE and the 38 IEEE Technical Societies. It is a technical subunit of one or more Sections, or a Council, constituted by a minimum of twelve (12) members of a Society concerned to represent and fulfill the technical needs of the members who live/work in relatively close proximity. Chapters provide Society members with valuable opportunities to network at a local level enabling their personal and professional growth.



Region 10 Chapter formations at glance

Continuous efforts are being made by Region 10 to encourage Chapter activities in the Sections. All the important information related to Chapter activities have been posted on Region 10 website and being continuously updated. Sections should use this information and follow a two-prong approach – keep the existing Chapters active and form new Chapters wherever requisite number of members are already existing for the formation of a Chapter so that our members can reap maximum benefits from their IEEE membership.

**Deepak Mathur**  
**Region 10 Chapter Coordinator**

### Call for Nominations

#### Region 10 GOLD Award

This award is designed to recognize those substantive projects or achievement of a relatively short nature (one to three years) but which have left an undeniable imprint on the fabric of GOLD operations within Region 10. The award will be based on a selection that recognizes individuals involved with GOLD activities who are recognized for singular achievement in the development and completion of a project(s) or activity(ies) which are directed to the fulfilment of one or more of the Region's goals and/or objectives.

The individuals nominated must be GOLD members at the time of nomination. Please use the nomination form available from R10 website (and by email from [ieeepo@pacific.net.org](mailto:ieeepo@pacific.net.org)), completed and send to your Section Chair for endorsement. The completed form shall be

sent to Fanny Su, R10 APO Office ([ieeepo@pacific.net.sg](mailto:ieeepo@pacific.net.sg)). The Nomination deadline is **30 September 2010**. For more information, please contact [timothy.wong@ieee.org](mailto:timothy.wong@ieee.org).

**Timothy Wong**  
**IEEE Region 10 GOLD Coordinator**

### A Message from the New R10 GOLD Coordinator

Dear Fellow IEEE members,



I was recently appointed to take over the role of Region 10 GOLD Coordinator by Yong-Jin Park and Lawrence Wong until December 2012. My predecessor, Helene Fung has done an outstanding job and I will continue to build on the good work and progress that Helene has made.

Region 10 is one of the most exciting regions to volunteer in. It is a diverse, fast growing and one of the largest IEEE Regions. This diversity is something that needs to be nurtured and managed to allow Region 10 to achieve excellence. I believe it is important that we recognise success, engage the relevant people and seek to understand; to make the best and informed decisions for the present and future of our region.

I have volunteered in the IEEE since the grassroots level, beginning with the role as treasurer at the University of Western Australia Student Branch and subsequently, chairing the student branch into winning multiple awards in Region 10 during my tenure. Since graduation I have had experience chairing the IEEE GOLD Western Australia affinity group. I have worked closely with Helene as the Region 10 GOLD Coordinator assistant and was the GOLD Summit leader in 2008. At the moment I also serve as the IEEE GOLDRush Editor in Chief and GOLD representative in the Publication Services and Products Board. I collaborate regularly with various student branches and GOLD Affinity groups and volunteers around the world. I take an "all-inclusive" approach and have regularly scouted for talent around the world and importantly, within region 10. I will be transparent, accessible and open to innovation and moving forward.

IEEE GOLD remains an important part of Region 10 and IEEE as an entire organisation. The future of the IEEE relies on the effective engagement, development and nurture of IEEE Young Professional volunteers. It is important that IEEE GOLD also interacts and works with the societies, the region and members to ensure that we break down the group silos which exist and that we make the most of our skills, experience and diversity.

We have a number of important initiatives which are currently in the pipeline. This includes an expansion of the clustering initiative to bring IEEE GOLD affinity groups closer; the STEP program to encourage students to continue and elevate their membership upon graduation and we will play a part in organising the upcoming 2011 GOLD Summit. This is the beginning of a long list of initiatives. I am both excited and willing to take on the role and challenge to move IEEE GOLD forward in Region 10.

All the best,

**Timothy Wong**  
**Region 10 GOLD Coordinator**

**Good news!**

**E-Membership Option Now Available to Higher Grade Members in Developing Nations.**

We would like to inform you the e-membership option is now available to higher grade members in developing nations. Please spread this exciting news to your local members to take advantage of this option.

What is e-membership? A Paperless Membership Option.

- Less paper means less environmental impact too.
- Members who join or renew and select the e-Membership option will receive an electronic copy of their membership card and membership materials.
- All publications, including IEEE Spectrum magazine, The Institute and Potentials, will also be delivered digitally.
- IEEE e-Membership provides all of the existing IEEE Membership benefits, but no paper delivery of publications and membership materials.

[http://www.ieee.org/membership\\_services/membership/join/emember.html](http://www.ieee.org/membership_services/membership/join/emember.html)

**The 2011 IEEE Membership Dues:** Now available at [http://www.ieee.org/membership\\_services/membership/join/join\\_dues.html](http://www.ieee.org/membership_services/membership/join/join_dues.html)

**Qualifying Countries:**

[http://www.ieee.org/membership\\_services/membership/join/emember\\_countries.html](http://www.ieee.org/membership_services/membership/join/emember_countries.html)

**Join with e-membership:**

[http://www.ieee.org/membership\\_services/membership/join/emember\\_join.html](http://www.ieee.org/membership_services/membership/join/emember_join.html)

**Renew with e-membership:**

[http://www.ieee.org/membership\\_services/membership/join/emember\\_renew.html](http://www.ieee.org/membership_services/membership/join/emember_renew.html)

**e-membership FAQs:**

[http://www.ieee.org/membership\\_services/membership/join/emember\\_faq.html](http://www.ieee.org/membership_services/membership/join/emember_faq.html)

Do you reside in a country not on this list? IEEE offers other reduced dues options to members who are unemployed, retired, or meet a minimum income threshold. Learn more about these [special circumstances](#).

**Students and graduate students are not eligible for e-Membership.** Should you have any other enquiry, please feel free to let us know.

We wish your Section a very successful member recruitment and retention for 2011!

**Ewell Tan**

**Project / Admin Executive**

**IEEE Asia Pacific Operations Centre, Singapore**

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**R10 Section Coordinator's Visit to Sri Lanka**

The IEEE Region 10 Section Coordinator visited Sri Lanka namely the city of Colombo and Kandy from 14 - 20 May 2010. The trip was partially supported by IEEE PES via the Chapter Vice President Meliha Selak in the form of air-fare. The trip was initiated with the request from the Sri Lanka Section Chair Dr Lilantha Samaranyake to conduct a workshop for the Section and Chapters committee members. Later the PES membership drive and Chapter formation was

included in the trip with technical seminars added to optimize the visit. The initial schedule was:

S 15 May 2010: Program with Section Officers - Officer Training workshop "How to make your Section more Vibrant and Engaging the members?"

S 16 May 2010: Program with PES members (and potential) - "What is IEEE and PES and what are the benefits of forming a Chapter?"

M 17 May 2010: Talk in Colombo "Energy Crisis 2050? Malaysia Experience and Way Forward" and IEEE Promotion and membership drive.

T 18 May 2010: Talk in Kandy "Rotor Fault Condition Monitoring Techniques of Induction Machine" and IEEE Promotion and membership drive.

Three out of four of the planned events were successfully carried out. There was a heavy thunderstorm and rain during this time of the year that caused flooding to the University of Colombo Campus.

Anyway, we manage to do the one day Section and Chapter officers training on Saturday 15 May. The event on Sunday for PES Chapter formation was cancelled and replaced with a session with Dr Manjula Fernando on Thursday 20 May in Kandy for 1.5 hours in the morning before returning to Colombo. I shared the presentation and I have sent him the materials for him to use in formation of the Chapter. We expect a PES Chapter will be formed in Sri Lanka before the end of the year.



Meeting with the Section and Chapter committee members



One-to-one presentation session with Dr Manjula Fernando for the formation of PES Chapter

The technical seminar in Kandy on Tuesday 18 May at University of Peradeniya was successfully held with about 60 attendees with few from the industry. We had a good exchange of ideas and maybe future collaborative work on

the topic. Of course prior to the technical seminar I presented the IEEE and PES pitch talk.



The technical seminar in Colombo on Monday 17 May, which was cancelled due to the flood on Campus, was rescheduled for Thursday 20 May before I had to leave for the airport. However this plan had to be aborted again due to rain and for fear of flood in certain part of the city and the road to the airport.

**Norman Mariun**  
**IEEE R10 Section Coordinator**

### **Lots of EE and IT Jobs in Asia-Pacific**

The Asia-Pacific has turned into a hot bed of job opportunities for EEs and IT professionals, with American companies helping lead with way as they expand and open new design, R&D, and operations centers throughout the region. While companies throughout Asia Pacific are looking for the best technical talent available, Malaysia, Singapore, and China appear to be recruiting the most aggressively at the moment. Who are they hiring? Read on at:

[http://careers.ieee.org/article/asiapacific\\_0810.php](http://careers.ieee.org/article/asiapacific_0810.php)

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at [www.ieee.org/jobs](http://www.ieee.org/jobs)

### **New Appointments**



R10 HTC Coordinator Professor Amarnath Raja is invited to join the Humanitarian Activities Ad-Hoc committee headed by Lew Terman. This committee is reviewing the activities of the Humanitarian Technology Challenge and may propose a shift to an HTC that is more linked to the membership base and on doing real hands-on work in Humanitarian Technology. It is felt that the HTC should work more closely with the membership organisations like the Regions and the Sections.

Amarnath Raja also been invited to a committee on "Engineering for Change". This committee is looking at the possibility of working with other Engineering Bodies like ASME on Humanitarian Impact of Engineering. This is a 4 member committee consisting of Lew Terman, Bill Walsh, Adrian Pais and Amarnath Raja with staff support from Matt Loeb.

### **R10 WIE Coordinator Ramalatha Marimuthu Appointed as Chair of the 2011 IEEE Women in Engineering**



At its 27-28 June 2010 meeting, the IEEE Board of Directors appointed R10 WIE Coordinator Professor Ramalatha Marimuthu as Chair of the 2011 IEEE Women in Engineering Committee. The term of this appointment is 1 January 2011 to 31 December 2011.

### **Congratulations to both Amarnath Raja and Ramalatha Marimuthu !!!**

#### **Call for Nomination**

**IEEE Region 10 Historical Achievement Award,  
Academia-Industry Partnership Award, MMI Award,  
and MIMI Award**

R10 Industry Liaison Committee is seeking nominations for the following awards: 2010 Region 10 Historical Achievement Award, Academia-Industry Partnership Award, MMI Award, and MIMI Award. The deadlines for these nominations have been extended by one month.

**a) 2010 Region 10 Historical Achievement Award**

The deadline for submission: end of October 2010

**b) 2010 Region 10 Academia-Industry Partnership Award**

The deadline for submission: end of September 2010.

**c) 2010 Region 10 MMI Award**

The deadline for submission: end of September 2010

**d) 2010 Region 10 MIMI Award**

The deadline for submission: end of September 2010

Please visit <http://ewh.ieee.org/reg/10/ILC/ILCMain.html> for the details. R10 Industry Liaison Committee encourages you to submit the nominations for these awards. After filling out the nomination forms, please send to:

[wangjf@mail.ncku.edu.tw](mailto:wangjf@mail.ncku.edu.tw). We are looking forward to receiving your nominations by the submission deadline.

**Dr. Jhing-Fa Wang**  
**IEEE Region 10 Industry Liaison Coordinator**

### IEEE Volunteer from India Wins IEEE Awards

Sampathkumar Veeraraghavan from Madras Section, currently studying in the US, was presented three major IEEE awards recently.

#### IEEE Achievement Award

Under Sampath's leadership several new technological based initiatives were introduced by the Madras GOLD spanning across several areas such as promoting educational awareness across rural areas, empowering women education, technological based solution for assisting children with disability, programs to abolish child labors and technology for assisting farmers. According to Sampathkumar these projects have benefited around 2 million people in India and have established successful collaboration between IEEE units with government and non-governmental agencies and international bodies like Lions International in India. All these projects acted as an interface to motivate students and young engineers towards solving humanitarian issues and have advocated the social responsibility of engineers in addressing the societal needs.

Sampathkumar Veeraraghavan received the IEEE MGA Achievement award with the following citation "*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*". The award was presented by Dr. Charles P. Rubenstein, Director Region 1, USA in the recently concluded IEEE R1 Annual meet at Boston. Sampath is one of the six recipient selected across the globe to be honoured with this award.



Dr. Charles Rubenstein, presenting the IEEE Achievement Award to Sampathkumar Veeraraghavan. Also present were Sampath's Mother Ms. Geetha, and Mr. Bruce Hecht, Boston Section Chair (Leftmost).

#### IEEE President Competition Award

Sampathkumar Veeraraghavan received the IEEE President's Change the World competition's IEEE Outstanding Humanitarian award and People's Choice award for his research system ISHHS. The award carries the following citation "*For the development of the world changing technology Information on Human and Health Services (ISHHS)*". The award was presented by Dr. Arthur Winston, Past IEEE President in the recently concluded IEEE meeting at Boston, USA.

"Information system for Human and Health services" (ISHHS) is a unique information system developed by

Sampathkumar Veeraraghavan under the guidance of Prof. Karen Panetta to address the various problems faced by the disabled people in India. The system has been designed to collect and analyse information on different forms of disability. The gleaned information covers nine areas, including details on family, disability, needs, education, and benefits received which can then be tallied to help disabled individuals by providing overall data on those areas within a geographic district. The System has been successfully implemented across all the 31 districts in the state of Tamil Nadu, India and has covered about 1.6 Million disabled people across the state. The statistical information generated from ISHHS is being used by governmental agencies, Non Govt agencies to frame policies and welfare programs so as to improve the quality of life for people with disability.



Dr. Arthur Winston, Past IEEE president (Leftmost) presenting the IEEE Outstanding Humanitarian and IEEE People Choice award to Sampathkumar Veeraraghavan for his ISHHS system.

#### Tufts Presidential Award for Public Service and Citizenship

Sampathkumar Veeraraghavan was awarded the 2010 Tufts Presidential award for public service and Citizenship in recognition of the exemplary leadership and scholarly achievement towards applying engineering in solving global Humanitarian issues. His research on Autism and technological assistance for children with disability has brought together engineers, medical doctors, community, parents, special educators in addressing the problems faced by the special children in developing nation. The program offers free medical intervention and screening services for children below poverty line.

The award was presented by Dr. Lawrence S Bacow, President Tufts University to Sampath at the award ceremony at Medford, USA.



Dr Lawrence S. Bacow, President Tufts University (Right most) presenting the Presidential Award to Sampathkumar, Also present Dr. Karen Panetta, Past IEEE WIE Global Director

## IEEE R10 Councils & Sections News and Highlights

### IEEE Taipei Section

#### Workshop on Implementation and Application of FPGA-Based Control

There were 40 people joining the 2010 Workshop on Implementation and Application of FPGA-Based Control, held in National Taipei University of Technology on June 15, 2010. Many valuable comments and suggestions with regard to the topics of the workshop have been discussed involving FPGA in industrial electronics and related applications which cover electronics, signal processing, microelectronics and instruments, etc. Several in-depth issues as to how industrial electronics and applications should be further developed, especially in the field of FPGA, were discussed. The workshop has demonstrated the important role of FPGA in industrial electronics and applications. The workshop invited two plenary speakers, Prof. Eric Monmasson of Cergy-Pontoise University and Mr. Wayne Chen of TeraSoft Inc. to present their recent development in theory and practical applications. As a whole, the workshop is quite fruitful and successful.



#### 2010 International Conference on System Science and Engineering (ICSSE2010)

2010 International Conference on System Science and Engineering (ICSSE2010) is an annual international conference hosted by Taiwan Association of System Science and Engineering (TASSE). The papers presented in the conference are approved by IEEE SMC Society and included in the data base of IEEE Xplore. The science and engineering systems cover many areas including electronic, electrical, communications, information, management, industrial engineering, engineering management, etc. On the other hand, except the professional technologies, the system engineers have to possess the following abilities including system analysis, integration, and ethics etc. to increase the national competitiveness for the country. Due to the above reasons, in recent years, Taiwan government significantly pays much attention to the technology and knowledge of Systems Science and Engineering. Taiwan government promotes many national projects; those projects not only emphasize the excellence plans themselves, but also particularly focus the cross-fields, interdisciplinary technologies integration.

The conference was held in Taipei University of Technology. The conference lasted three days, and the three-day agenda included the opening ceremony, four VIP keynote speeches, and 24 sessions for paper presentation. About 17 countries and more than 200 scholars and experts attended ICSSE 2010. There were six companies to exhibit their products and equipments at the conference site. In the conference, those scholars and experts discussed and exchanged their ideas with each other. The scholars not only launched a successful national diplomacy, but also presented the high technology and Chinese culture of Taiwan to the world. At the night of 2nd July, we had a banquet in Cosmos hotel near the Taipei Railway Station. In the banquet, we rewarded the Best Paper Award and invited outstanding performances for the attendance. Finally, Prof. Philip Chen announced that the ICSSE2011 will be held in Macao University and invited all scholars to attend ICSSE2011 in Macao next year. In a word, ICSSE2010 is a very successful international conference. We would like to thank the supports from IEEE RAS Taipei Chapter and the other organizations, such as National Central University, National Taipei University of Technology, National Taiwan University of Science and Technology, National Science Council, Taipei City Government, Ministry of Economic Affairs, and Ministry of Education, etc.



#### Prof. Chin-Teng Lin Chair, Taipei Section 2010

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### IEEE Kerala Section

#### IEEE-R10-GOLD International Conference Humanitarian Technology Challenges of the 21st Century

The young engineers' programme of IEEE, GOLD of IEEE Kerala Section together with IEEE Region 10 and HTC, organized a conference on the theme "Humanitarian Technology Challenges of the 21st Century" on 20-21 Feb 2010 at Trivandrum, Kerala, India. The Conference was hosted by IEEE Kerala Section and supported by the IEEE Foundation, IEEE Region 10, IEEE GOLD, Kerala State IT Mission and GTech.

The conference programme had three sub-themes around the use of technology such as Technologies for sustainable development, Technologies for disaster management and Technologies for education.

In the inaugural Session, the gathering was welcomed by the Conference Chair, Mr. Amarnath Raja who is also the Coordinator of the Humanitarian Technology Challenge, IEEE Region 10, followed by the IEEE pledge. Programme

Chair, Mr. Satish Babu, provided an overview of the objectives of the conference.



Dr. Richard Gowen delivering presidential address

Dr. Richard Gowen, President of IEEE Foundation in his presidential address said that technologists need to reach out to the NGOs, and use their experience in innovative applications for solutions for humanitarian needs. His call was to build the community of technical innovators with solutions interacting humanitarian organizations with the needed funding resulting in sustainable implementation of solutions.



Mr. Vasimalai

*‘Humanitarian challenges should become part of development work, rather than waiting for calamities to happen to take action’*, said Mr. Vasimalai of Dhan Foundation, one of the largest NGOs in India, who gave the keynote address. He said that there were three challenges with regard to technology such as accessibility, availability and affordability.

Dr. Janina Mazierska, Past Director and Currently Executive Member of IEEE

Region 10 offered felicitations. There were also video recorded messages from Dr. John Vig, IEEE Present in 2009, Mr. Darrel Chong - Past Chair, IEEE GOLD and Ms. Helene Hoi-Ying Fung - IEEE R10 GOLD representative as they were unable to attend the conference in person. In continuation, Dr. Thara KG, Member, State Disaster Management Authority, Government of Kerala, offered felicitation and Mr. Sasi PM, Chair, IEEE Kerala Section, proposed the vote of thanks.



Felicitation by Dr. Janina Mazierska

In the First Technical Session - Technologies for Sustainable Development, Dr. Janina Mazierska was chairperson. Dr. Sasi Kumar of the Society for Promotion of Alternative Computing and Employment (SPACE), Ms. Annie George, CEO, Building and Enabling Disaster Resilience of Coastal Communities (BEDROC), Nagapattinam-the NGO Partner of the Conference, Prof. VK Damodaran, energy expert, Mr. PV Unnikrishnan of the State Planning Board, Mr D. Krishna Warriar from Aabotics gave presentations in different areas. Dr. Janina Mazierska summed up the presentations and there was a lively discussion on many of the related points.

A special History Session was held to enable all those present to understand the growth and evolution of IEEE in Kerala and at the global level. This was handled by Mr NT Nair and Dr. John Vardalas of IEEE.

The second Technical Session of the seminar- Technologies for Disaster Management was chaired by Dr. Unnikrishnan PV of Plan International. Mr. G Padmanabhan of UNDP, Mr. Vivekanandan of FishMARC, Dr. Maneesha V Ramesh from Amritha University, Ms. Beena KT from Centre for Development of Advanced Computing, Trivandrum, Mr. Robert Ravi, DGM, BSNL Chennai, made presentations on related topics.

The Third Technical Session - Technologies for Education was chaired by Dr. Gihan Wikramanayake of IEEE, Sri Lanka. Mr. Sunder Krishnan of American India Foundation, Dr. Sriji Kurup of the Centre for Environmental Education, Bangalore, Mr. Anvar Sadath of IT@School, Kerala, Mr. Azmath Ali from TCS, participated through lively presentations.

A poster exhibit by IEEE student members drew a lot of appreciation from the delegates to the conference. The concluding session was chaired by Mr. Satish Babu, Programme Chair. He presented the draft of the Trivandrum Declaration along with Mr. NT Nair and Ms. Annie George, which was deliberated in detail and accepted by the whole participants of the two day conference.

Well attended, the conference brought together professionals from the engineering-technology and the socio-economic development sectors. It was indeed a splendid success in setting in the process of consultation between multiple stakeholders and creating a mechanism to continue the discourse on technology for development.

**K. Gopalan Nair**  
**Chair Publications, IEEE Kerala Section**

**IEEE Annual Election**

**Remember to Vote - Deadline 1 October**

The [IEEE Annual Election Web page](http://www.ieee.org/about/corporate/election/index.html) has more information about the election and a link to access the ballot electronically. The balloting period will end on Friday, 1 October, at 1 p.m. EDT in the USA (17:00 UTC).

<http://www.ieee.org/about/corporate/election/index.html>

eVote Link: <https://www.directvote.net/ieee/>

## IEEE Bangladesh Section

### Seminar on "OUTCOME BASED ENGINEERING EDUCATION"

IEEE Bangladesh Section arranged a seminar on "Outcome Based Engineering Education" on 28th June 2010 at Bangladesh University of Engineering and Technology (BUET). Dr. Muhammad Harunur Rashid, Fellow IEEE and Professor of Electrical and Computer Engineering, University of West Florida, USA delivered a lively speech and an inspiring presentation. The event was presided by Prof. Md. Saifur Rahman, Head, Department of EEE, BUET and attended by students and faculties from many public and private universities including the students and faculties of BUET. Prof. Muhammad Harunur Rashid stressed the need for the graduates to be empowered with the knowledge capital for the engineering practice. He identified the desirable academic learning compacts leading to academic learning outcomes. The components of the outcome-based education for achieving the program learning outcomes were shown. The Bloom's taxonomy for measuring the achievement level of the outcomes at the cognitive domain was also described.



Prof. Dr. Muhammad Harunur Rashid, Fellow IEEE with some of the participants of the seminar.

It is to be mentioned that Dr. Muhammad Harunur Rashid is a former graduate of BUET. He is actively involved in teaching, researching, and lecturing in power electronics. He has published 16 books and more than 130 technical papers. His books are adopted as textbooks all over the world. His book, Power Electronics has translations in Spanish, Portuguese, Indonesian, Korean and Persian. His book, Microelectronics has translations in Spanish in Mexico and Spain. He was elected as an IEEE Fellow with the citation "Leadership in power electronics education and contributions to the analysis and design methodologies of solid-state power converters." Dr. Rashid is the recipient of the 1991 Outstanding Engineer Award from IEEE. He received the 2002 IEEE Educational Activity Award (EAB) Meritorious Achievement Award in Continuing Education with the following citation "for contributions to the design and delivery of continuing education in power electronics and computer-aided-simulation". He is the recipient of the 2008 IEEE Undergraduate Teaching Award with citation: For his distinguished leadership and dedication to quality undergraduate electrical engineering education, motivating students and publication of outstanding textbooks

**Dr. A. B. M. Harun-ur Rashid**  
Chair, IEEE Bangladesh Section

## ISTAS 2010, Wollongong Australia

### Social Implications Of Emerging Technology Stirs Major Interest

The June 2010 IEEE International Symposium on Technology and Society in Wollongong, Australia, was a hot topic in local and international news. More than 50 separate press interviews and reports focused on the symposium theme, the social implications of emerging technologies. Keynote speakers included Mark Gasson from the University of Reading, looking at the potential for computer viruses to infect human implanted devices, and RFID implantee Amal Graafstra, previously subject of a cover story in IEEE Spectrum. The international symposium is organised annually by the IEEE Social Implications of Technology Society (SSIT).

Conference welcomes included University of Wollongong Pro-Vice Chancellor Judy Raper, IEEE Division VI Director Mark Montrose, and SSIT Past President Janet Rochester. Professor Gordon Wallace, an engineering materials specialist, provided the first keynote speech reflecting his work with nanotechnology and the repair and enhancement of neural prosthetics. This set the tone for an exchange between technical and societal specialists regarding the implications of emerging technology.

A highlight was a roundtable chaired by William Herbert, Deputy Chair of New York State Public Employment Relations Board in which speakers on "human implantables" discussed their points of agreement and relative perspectives. In addition to Gasson and Graafstra, this discussion included Katherine Albrecht from CASPIAN Consumer Privacy, Rafael Capurro of the Steinbeis-Transfer-Institute on Information Ethics in Germany, and Roger Clarke from the Australian National University. ISTAS 2010 provided the first opportunity for several of these practitioners to meet face-to-face to discuss different perspectives. At one level, RFID is a well understood technology, but as Clarke put it, "RFID is okay in getting goods to the grocery shelves. After that it becomes problematical." Capurro summarised the challenges involved in more general terms: "Every technology changes the relationship between humans and the world ... for good and for bad."



At ISTAS 2010 (L to R): Program Chair Katina Michael; SSIT Past President Janet Rochester; IEEE Division VI Director Mark Montrose; Organising Chair Holly Tootell; SSIT Australia Secretary Michael Arnold; SSIT Australia Chair Greg Adamson; Conference Committee Chair Gene Hoffnagle.

Other keynote speakers were Colin Bennet from Victoria University speaking on privacy and Carole McCartney from Leeds University examining assumptions around the

forensic use of DNA. Kevin Warwick, also of the University of Reading, spoke to the conference dinner via video link.

Other areas of SSIT focus included privacy, technology for development, and human factors related to location based services and radio-frequency identification. In all some 70 papers from 17 countries were selected by a reviewing panel of more than 130 people. The symposium had a strong multi-disciplinary flavor, with research, projects, and ideas shared by engineers, scientists, researchers in the social sciences, arts/law, humanities, decision makers in the public and private sectors.

For those who missed out, ISTAS 2011 is scheduled for Chicago. Watch for details at: <http://www.ieeesit.org/>

**Dr Greg Adamson**

**Chair, IEEE Society on Social Implications of Technology, Australia, <http://ssit.ieeevic.org>**

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### IEEE Japan Council (Tokyo GOLD)

#### The 3rd Career Development Workshop for Young Students and Professionals

The 3rd Career Development Workshop for Young Students and Professionals was held at the Tokyo Denki University (Kanda campus) on 5th June 2010. This workshop was organized by the IEEE Tokyo GOLD, IEEE Japan Council WIE, and four Student Branches in Tokyo Denki University, Yokohama National University, Tokyo University of Science, and Keio University.

The workshop was organised for young student member including master and doctoral (Ph.D) program level in order to help them to think about their career paths as well as skill sets. Topics included "Expectations for an engineer", "Important matters on working overseas", "Contributing to the society as an engineer" and "Career development for female engineer and cooperating with male engineer" were discussed at the workshop. Through these topics the workshop aimed to help students to think about and prepare their career in advance.

There were 59 participants including 27 non-members. Of the 59 participants, 42 of them were students (19 student members and 23 non-members). The discussion in each group is given below. Seven young professionals, who are active in the industry/academia, were invited as facilitators. Each of them was responsible for the discussion on one topic with each group. During the discussion, the facilitators had in-depth dialogue with the participants according to the facilitators' own experience.

**Group A Topic: *Expectations for an engineer***

Facilitator: Yasuhiko Aoki (Fujitsu Laboratories Ltd.)

**Group B: *What one is demanded after entering a company***

Facilitator: Kazunori Kodaira (Tokyo Denki University)

**Group C: *Important matters on working overseas***

Facilitator: Mitsutaka Sato (Sanken Electric Co. Ltd.)

**Group D: *Contributing to the society as an engineer***

Facilitator: Kenichi Takizawa (National Institute of Information and Communication Technology)

**Group E: *Difference of research activities between a student and a professional***

Facilitator: Yasuhiko Tanabe (Toshiba Ltd.)

**Group F: *Career development for female engineers and cooperating with male engineer***

Facilitator: Eri Nakamura (Yokogawa Electric Corp.)

**Group G: *The thinking of company members***

Facilitator: Yoshikazu Nakayama (Hitachi Information Systems Ltd)

The program of the workshop started with a half an hour reception at 1:00 PM. The workshop was opened by Yasuharu Ohgoe, Tokyo GOLD Chair, followed by introduction of facilitators. After a short break the discussions were held by each group for half an hour with five minutes to summarize the discussion. Each group then briefed about their discussion on the given topic. Closing remarks were made by Prof. Akinori Nishihara, Japan Council WIE Supervisor bring the workshop to close at 5 PM.



Group discussion session



Briefing session from each group

A social gather was held from 5:30 PM, which was opened by Satoshi Nakamura, Tokyo Denki University SB. The social event was closed by Ko Kikuta, Tokyo GOLD.

This workshop was very usefulness for the participants. According to questionnaire, the attendees said "I was able to discuss about career development apart from researches", "I was able to talk with female engineer and gained more understanding", and "the workshop has widen my views as I was able to listen to different opinions from students and company people" etc. These feedbacks showed that the workshop was successful in providing a chance for exchanging of views. Moreover, this workshop was able to help students to think about their career development.

This workshop was held with support of a lot of people. We would like to express our appreciation to all the people who supported this workshop. For more detail information about this workshop, please visit Tokyo GOLD website (<http://www.ieee-jp.org/tokyogold/index.html>).

**Yasuharu Ohgoe and Alex Fung**  
**IEEE Japan Council (Tokyo GOLD)**

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## IEEE R10 Student Branches News and Highlights

### The University of Auckland IEEE Student Branch, New Zealand

#### 2010 Practice Interviews & Job Skills Seminar

Co-ordinating 64 participants, 17 interviewers from high-profile companies and 108 interviews over a span of just three hours may sound like an amazing effort from a recruitment agency. However, the 2010 Job Skills Seminar and Practice Interviews are in fact a monumental undertaking by a group of 15 enthusiastic volunteers from The University of Auckland IEEE Student Branch.

All the executive student committee members play an integral role, and are involved in taking leadership for several critical aspects in the organisation of the Practice Interviews event. Organising caterers, booking rooms, promoting the event through adverts to students and companies, garnering sponsorships, contacting companies, obtaining CVs and matching students to their preferred companies etc. is just a small list of tasks that must be completed before the actual date of the event.

On the 1st of July, over 150 people attended the Job Skills Seminar. The seminar began with Gillian Reynolds, a Senior Careers Consultant at our university, who spoke on job searching strategies, interview skills, and résumé preparation techniques. The second speaker, Marion Rogers, director of Tri-Tek Consultants and an expert on recruitment within electro-technical industries, discussed the current “job scene” for graduating engineers and the qualities that employers look for in CVs and during interviews. The best measure of an event’s success is the voluntary positive feedback it gets: the organizers of this one were swamped with many groups of students wanting to express their gratitude for being given that intangible competitive edge which will one day help them get the jobs they want.



Organising Committee Member Rohit Moza thanks Tradetech NZ Director Roger Fulton for his feedback in their practice interview.

While the Job Skills Seminar is open to all students, those IEEE student members who would attend the Practice Interviews benefited particularly in their application of Ms Reynolds’ and Mrs Rogers’ advice a week later. Well-prepared from the Job Skills Seminar, the students were all formally suited to impress their potential employers with both their fine etiquette and impressive CVs at the Practice Interviews. Due to tremendous success of past events, many employers returned and new companies keenly joined The University of Auckland Student Branch. This year’s Practice Interviews event took place in two separate venues,

the formal interviews were in the grand state of the art business building and the beautiful neon lights of the engineering foyer set the scene for the networking & catering session.



Organising Committee Member Akshat Sondhi presents Tri-Tek Services Director Marion Rogers with a token of the Branch’s appreciation at the Practice Interviews evening function.

With continual improvements for over a decade, these events now have their place firmly as one of the most highly anticipated events on The University of Auckland Engineering calendar.

**Shorojeet Dasgupta and Surya Karthik Mukkavilli**  
University of Auckland IEEE Student Branch  
<http://ieee-student.ece.auckland.ac.nz/>

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#### Computer Society Student Offer Continues Into 2011

Introduced in 2010, the Special Student Offer, backed by the IEEE New Initiatives Committee, is attracting more students from Computer Science (CS), Information Technology (IT), and related programs, to join IEEE and IEEE Computer Society. Student membership in IEEE Computer Society has increased 37% over the past year. New students get membership in IEEE and IEEE Computer Society, free access to Computer Society’s digital library, 3,000 online Computing Professional and Business Skills courses, and over 600 online technical books, for only US\$20.

The focus on CS/IT students is an important drive to address a key segment where IEEE is under-represented. Students studying this field of interest typically pursue non-engineering degrees and interact with students and faculty in multi-disciplinary fields where IEEE has no Student Branch presence. The Special Student Offer will continue into 2011. Help communicate the offer in your Region, Section, and Chapter. Establish a new Student Branch Chapter in a CS/IT department or school not coupled with EE/CSE and introduce more students and academic advisors to IEEE.

Half-year rates for new students (US\$20) and rates for current IEEE students who desire to add Computer Society and access the special bundle (US\$7) are in effect through 15 August.

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## IEEE HIIT WIE Student AG

### Formation of WIE Student Affinity Group

IEEE HIIT WIE Student Affinity Group (Hamdard Institute of Information Technology) was formed on 16th July 2010 after receiving official approval from IEEE HQ. It envisions a vibrant community of HIIT women and men to innovate the world of tomorrow. We believe that women's contribution is an essential factor for building a better Pakistan. It is dedicated for achieving equality and full participation for women in engineering, science, and technology.

IEEE HIIT WIE Student AG aims and objectives are to:

- Empower women through offering various capacity building trainings to teach skills, build confidence and create new opportunities so that women will be better able to solve problems. We are working hard to educate ourselves and our communities so that we can work more effectively and advocate for our struggle on the international stage.
- Empower young women to have a voice, to realize their leadership ability and move towards women's participation, as equal partners with men, in decision-making processes at all levels.
- Increase the profile of women scientists and engineers for better recognition in the work place and empower them for their career advancement so that they can continue to contribute towards the prosperity and technological developments.



The Guest Speaker

On Tuesday 8th June 2010, Prof. Dr. A. R. Memon (Dean FEST) was invited as Chief Guest to inaugurate HIIT WIE at a cake cutting ceremony. Guest speaker Engr. Sana Sultan delivered a thought provoking presentation to enlighten women students regarding the benefits and opportunity of WIE membership and M/s. Supemova Solutions representative conducted Systems Applications and Products (SAP)

seminar. Besides WIE inaugural and SAP Seminar HIIT students and faculty members also celebrated 7th anniversary of IEEE HIIT Student Branch. In appreciation Dean FEST presented souvenirs to both guest speakers for their informative and valuable presentations. Around 200 students and faculty members attended this event.



Dean FEST presenting Souvenir to SAP Seminar Guest Speaker

**Kanwal Abrar & Naima Arshad**

<http://www.ieee.org/go/hiit>

## Australia and New Zealand Student Congress (ANZSCON) 2010

# ANZSCON 2010

IEEE Australia & New Zealand Student Congress

The inaugural Australia and New Zealand Student Congress (ANZSCON) 2010 will be held in Melbourne from 24 to 26 November. We warmly invite:

- All students in Australia, NZ and the rest of R10
- Employers to attend the employers' forum
- Potential speakers at ANZSCON

### Students

ANZSCON 2010's programme will include:

- Employers' forum and talks
- Networking with other Australian/NZ students
- Professional skills seminars and workshops
- Poster and project competition
- Speakers on some current engineering trends
- Getting the most from your IEEE membership
- A cocktail function and formal dinner
- The launch of GINI in Australia and New Zealand

To register your attendance and find our full programme, visit our website now at <http://anzcon2010.ieeevic.org>.

Find us on Facebook:

[www.facebook.com/event.php?eid=136921032997118](http://www.facebook.com/event.php?eid=136921032997118)

### Employers

We invite employers with an interest in recruiting or gaining exposure among EECS students to ANZSCON. There will be an employers' forum on the second day, where students will be exploring their future career options. It will be a fantastic opportunity to put your company's name in the minds of motivated EECS students from all over Australia and New Zealand.

If you are interested in attending ANZSCON as an employer, please e-mail [anzcon@ieee.org](mailto:anzcon@ieee.org).

### Speakers

We invite speakers on any topic that will broaden students' perspectives; in particular:

- A current trend in engineering or computing
- A topical issue in engineering or computing
- Professional or technical skills
- IEEE member benefits or initiatives

If you are interested in speaking at ANZSCON and/or would like us to send you the full call for speakers, please e-mail [anzcon@ieee.org](mailto:anzcon@ieee.org). The deadline for expressions of interest is 30 September.

Visit the official ANZSCON website:

<http://anzcon2010.ieeevic.org>

Questions, suggestions or enquiries: e-mail:

[anzcon@ieee.org](mailto:anzcon@ieee.org).

*ANZSCON 2010 is proudly sponsored by:*

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Victoria University ([www.vu.edu.au](http://www.vu.edu.au)).

## IEEE RUET SB RUET, Bangladesh

### Short Course on Electronic Project Design and Fabrication

Department of Electrical and Electronic Engineering of Rajshahi University of Engineering and Technology (RUET) and Institute of Electrical and Electronics Engineers (IEEE) RUET Student Branch jointly organized a ten-day short course on Electronic Project Design and Fabrication. The Short course started on 9 June and continued till 19 June 2010.



IEEE RUET Student Branch Counsellor Prof. Dr. Muhammad Abdul Goffar Khan speaking at the inaugural ceremony

Prof. Dr. Muhammad Abdul Goffar Khan, Head, Dept. of EEE, Delwar Hossain, Head, Dept. of ETE, Md. Sohail Rana, Faculty, Dept. of EEE, RUET were present at the inaugural ceremony of the short course.

About 100 students from Rajshahi University of Engineering and Technology, Bangladesh University of Engineering and Technology (BUET), Ahsanullah University of Science and Technology (AUST), University of Information Technology and Sciences (UITS), Rajshahi University (RU) and some professionals attended the short course.



At the closing ceremony, IEEE RUET Student Branch advisor Dr. S.M. Abdur Razzak was the chief guest. Md. Samiul Habib, Faculty, Dept. of EEE, Md. Selim Habib, Faculty, Dept. of EEE, RUET and Md. Forhad Zaman was present as special guests. At the closing ceremony certificates were distributed among the participants. In his address Dr. S.M. Abdur Razzak praised the IEEE RUET Students Branch and Dept. of EEE for arranging this kind of short courses and encouraged to hold more activities like it.

The course participants were taught mainly basic electronics with emphasis on practical work. There were a total of 10 classes on basic electronics such as resistor, capacitor, transistor, op-amp, amplifier, power electronics, introduction to digital electronics, microcontroller etc. Each class was divided into two sessions, theory class and practical. At first students were taught theory in the class, then that theory was applied during the practical session. Each 5 participants were given an instructor to help students for doing the practical. This short course mainly helped 1st year and 2nd year students to gain practical experience.

Since its establishment, the IEEE RUET Student Branch has arranged various seminar, workshop, short courses, which have been much appreciated in the university. Because of its vibrant activities, Rajshahi University of Engineering & Technology has given IEEE RUET Student Branch, a room for office to conduct official activities smoothly and arrange more programs to bring professionalism among the students and help them develop their carrier better. The office is well furnished with high speed internet and telephone connection.

**Tanvir Hussain**  
Chair, IEEE RUET Student Branch

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### Computer Society Merwin Scholarship

Computer Society Student Branch Chapter leaders are encouraged to apply for the Merwin Scholarship. Results of a 2010 member survey show that students rank scholarships as the number one value to being a member. Regional, Section, and Chapter officers should be getting out the word to all Student Branches about scholarships such as the Merwin. To recognize student leadership and engagement, Computer Society will award up to twenty US\$2,000 scholarships this year.

Graduate students, juniors, and seniors, in electrical or computer engineering, computer science, or a well-defined computer related field of engineering, who are active members of Computer Society Student Branch Chapters, are eligible.

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**IEEE Student Branch (Amrita IEEE), Amrita School of Engineering, Amritapuri, India**

**PIC Ex'el 2010**

IEEE SB of Amrita Vishwa Vidyapeetham, Amritapuri, Kollam conducted a 2 day national level microcontroller workshop on PIC 16F877A on March 27-28 2010. There was a great response from the students as 60 participants turned up from all over India which included 2 faculties from NIT Calicut and a faculty-student pair from Military College Of Electronics And Mechanical Engineering, Secunderabad. Each of the participants were provided with an 'Amrita PIC microcontroller Kit' which consisted of PIC base, PIC burner unit, PIC 16F877A, breadboard and other essential components needed for both workshop and future development of projects. The classes were taken by Mr. Rajesh Kannan, Senior Lecturer, Dept. of ECE, who is also the SB Counselor. The classes were between 9 am to 5 pm on both days. The workshop was inaugurated by Dr.Sankaran, Principal, Amrita School of Engineering.

Prof. Sriram Ananthanarayanan, HOD, Dept. of ECE also spoke on the occasion. The seminar was held at the E-learning Center and the Lab sessions were held in the VLSI Lab & Digital Lab. Day 1 morning session consisted of 3 seminars – Introduction to Microcontrollers and PIC microcontroller, Introduction to PIC I/O ports & Introduction to PIC assembly programming.



PIC Ex'el Seminar at the E-learning room

The afternoon session were dedicated for practical sessions. The students were given introduction to MPLAB software for programming PIC and they could also try out the hardware part of it. Day 2's morning session also consisted of 3 seminars – PIC Interrupts, PIC Analog to Digital Converter & PIC Pulse Width Modulator. There was a photograph session after this.

The afternoon session consisted of hardware experiments and also a mini-project. Most of the participants completed all the experiments. All were enthusiastic to learn the various aspects of PIC. Amrita IEEE SB members served as teaching assistants during the lab. All the participants were given a certificate of participation. Feedback forms were distributed among the participants in which they were asked to rate the workshop out of 10. The average score given by the participants was 9, which is a remarkable success to our IEEE SB.



Hardware sessions

**Vineeth Mohan**  
PR Officer & Webmaster | IEEE SB  
ASE, Amritapuri Campus



PIC Ex'el participants with Amrita IEEE Student Branch Executive Committee

## IEEE ISTAR Student Branch, Gujarat, India Industrial Visit

On Tuesday, 10th August 2010 IEEE ISTAR Student Branch organized an Industrial visit to Space Application Centre, ISRO, Ahmedabad and Institute of Plasma Research (IPR), Gandhinagar, Gujarat, India. The visit was organized for its member and prospective member.

A total of 45 students including IEEE ISTAR Student Branch office bearers, members, Branch Counsellor, Mr. Nirbhay Chaubey along with the three faculty members Mr. Falgun Patel, Mr. Bhavesh Patel and Mr. Nitin Patel started journey from the college campus, Vallabh Vidyanagar by bus to visit the two organisations

Indian space program at the Indian Space Research Organisation (ISRO) is driven by vision of Dr Vikram Sarabhai considered as the father of Indian Space Program. The prime objective of ISRO has been to develop space technology and its application to various national tasks. Since 1969, when it was set up, ISRO has established space systems like the INSAT for telecommunication, television broadcasting and meteorological services, and the Indian Remote Sensing Satellites (IRS) for resources monitoring and management. ISRO has also developed the satellite launch vehicles PSLV and GSLV to place these satellites in the required orbits.

Space Application Center (SAC)- Ahmedabad is the prime center of ISRO for research and development activities related to Space Applications, primarily in the fields of satellite communication and remote sensing. This includes design and construction of communication and remote series payloads for the operational INSAT and IRS series of satellites.



Students listening to Mr. P. S. Thaker, at SAC, ISRO

At 2 P.M., we arrived at Institute of Plasma Research (IPR) and assembled in the auditorium where Dr. Ravi Prakash, a Senior Scientist of IPR, briefed about IPR, plasma and, how it differentiates from other 3 states of matter, i.e. solid, liquid and gas, about nuclear fusion, ITER Program, PLM (Program Life Cycle Management), and the resources i.e. super computers, servers & workstations that are used by IPR and ongoing project like ADITYA Tokamak, Basic Plasma Physics Experiments, FCIPT (Facilitation Center for Industrial Plasma Technology). They also permitted us to see ADITYA Tokamak Research Lab and their Networking Lab. One of their project members explained the general structure of the ADITYA project plant and Networking Lab.

Getting the opportunity to visit at Space Application Center, ISRO, Ahmedabad and IPR, Gandhinagar has been a brightening experience for all of the student members. We are very much thankful and heartfelt appreciation for Mr. Chintan Bhatt and Mr. P. S. Thakar, scientists at ISRO, Ahmedabad and Dr. Ravi Prakash, scientist at IPR, who gave us the opportunity to visit these two reputed research institutes. Also we are very much thankful to our College management for providing the bus for transport and financial support for the visit. Overall visit was highly valuable and student members took a lot out of this industrial visit as it provided a rare opportunity to see the campus and research labs of two renowned research organizations.



Nirbhay Chaubey  
Counsellor, IEEE ISTAR Student Branch

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## IEEE SB College of Engineering, Trivandrum, India Inauguration Of WIE Affinity Group

The WIE affinity group of IEEE SB CET was formally inaugurated on 3 July 2010. The function was held in the CETAA hall and a number of IEEE members participated in the event. Mrs Sharada J, WIE Secretary, Kerala Section and Amamath Raja (Chairman, CSI Kerala) inaugurated the function by lighting the lamp. The guests of honour also included Mrs Mabel Ebinezre (WIE Branch Counselor).

As a part of the inauguration of WIE Affinity Group, a talk on "LINUX based computer networking" was conducted by Mr Amamath Raja. The talk was very informative and helped in attracting a number of young minds to the world of LINUX.

A workshop on PIC was conducted on 3 July 2010 at CETAA hall from 1 pm. It was the first technical program organized by WIE affinity group of IEEE SB CET. Mr Joshy Gilbert explained various software programs based on PIC

along with a demonstration of an analog to digital converter, buzzer etc. He gave a brief description about microprocessors and its applications and made the session very effective for students by clearing their doubts regarding the topic.



#### **A talk on Wireless Communication & Neuro Fuzzy Control**

IEEE SB CET organized a talk on “Wireless World” by Mr Sasi P M (Additional Director CDAC, Chairman Kerala Section) and another one on “Neuro Fuzzy Systems” by Mr Ravindranath (Professor, GEC Barton Hill).

In today’s world most of the networking is done wireless- be it Bluetooth, WiMax, RFID or Wi-Fi. The talk also focused on topics ranging from frequency spectrum to 4G technologies. Emerging technologies like “Software defined Radio” and “Cognitive Radio” were also mentioned. One of the most important takeaways from the talk was the fact that spectrum is a costly affair and should be used efficiently.

The talk on “Neuro Fuzzy systems” was particularly enlightened since for most of the students the very term “Neuro-Fuzzy” was alien. Since it started off from the basics of Control System it was easy to comprehend. There was also live demonstration of the systems in MATLAB which gave a practical overview. The Whistle Blower questions between kept the spirits high. Couple of interesting case studies was also presented.

**Mark D'Souza**  
Vice Chair, IEEE Student Branch CET, Kerala, India



The participants at TISP workshop held at East West University, Bangladesh

### **The IEEE Annual Elections 2010**

#### **Don't forget to Vote before 1 October!**

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Remember that eligible members also include postgraduate students.

For further information about IEEE Annual elections, please visit: <http://www.ieee.org/elections>.

### **IEEE SB East West University, Bangladesh**

#### **Recent Activities**

The Student Branch organized a workshop on graphics design by photoshop on August 1, 2010. The resource person was Mr. Ishtiaque Shahriar Shanto, Executive, Corporate Communication, IPDC Bangladesh Ltd. About 40 students participated in the workshop.

The IEEE SB and the EEE Department of East West University jointly organized a day long workshop on Teacher In-Service Program (TISP) on August 6, 2010. The workshop provided hands-on activities to the pre-university educators so that they can motivate their students towards engineering education. Twenty one teachers from different schools participated in the workshop. The resource person of the workshop was Dr. Anis S. Haque, University of Calgary, Canada. The program started with the welcome speech by Professor Anisul Haque, Chair, EEE Department, East West University. After the welcome speech, Professor Harun Ur Rashid, Chair IEEE Bangladesh Section described IEEE to the participants. Each participant was awarded with a certificate.

The EEE Department and IEEE Student Branch also jointly organized a seminar on "A novel fuzzy logic and flux weakening controller based high speed control of PMSM drives" on August 8, 2010. The speaker was Professor M. Nasir Uddin from Lakehead University, Canada. About forty students and faculty members were present.

**Associate Professor Khairul Alam, PhD**  
Electrical & Electronic Engineering, East West University, Bangladesh

IEEE-VESIT (Vivekanand Education Society's Institute of Technology) as a conscientious member of IEEE international and as one of its most active Student Branches holds a lot of events throughout the year at the institute level (in VESIT) as well as at the all-Mumbai level through IEEE-360. The culmination of the activities of the academic year for IEEE-VESIT is Melange; IEEE-VESIT's Annual Symposium.

This year Melange was held on the 9th of April in the VES Auditorium. The event was kicked off in grand style with an hour long presentation by Mr. Vagish Dwivedi, Director, CISCO Systems on Networking. In his inimitable style Mr. Dwivedi listed out the various industry portfolio's in Networking and elucidated the different entry points that one can look out for if one plans to build a career in networking. He drew on his abundant experience during the course of his speech to consolidate a list of do's and don'ts for when we join the industry. An estimated 250 members attended this presentation..

Following Mr. Dwivedi's seminar was the release of our all Mumbai publication 'Short Circuit' which was released by our Branch Counselor Mrs.Gresha Bhatia. This edition of Short Circuit frontlined a cover story on Fullrenes and their impact on the advancement of Nanotechnology. The magazine boasted of guest entries from the University of Purdue, USA, The University of Twente, Holland and IIT-Bombay.

The release of our website [www.ieee-vesit.org](http://www.ieee-vesit.org) for the year 2009-10 was next. The unveiling of the website was accompanied by a short round up of the features of the website by the web development team. After its release the website is submitted as an entry for the best IEEE Student Branch Website Award at the R10 and International level.



The prize distribution ceremony was next on the itinerary. In this the winners of all the events conducted by IEEE-VESIT at the institute and all-Mumbai level were felicitated. More than 50 prizes were given out in all.

A traditional component of the IEEE-VESIT symposium is the Chair and Vice-Chair's speech. Our Chairperson Mangesh Padgaonkar reminisced on his years in IEEE and how it has helped shape up what he has become. He summarily thanked all the other members of the council for their support and co-operation throughout the year. After the addresses the members were treated to refreshments before we concluded what we believe was one of the most eventful and successful years in the history of IEEE-VESIT.

**Anirudh Varadhan**  
IEEE VESIT SB, Mumbai, India

*If all the oil reserves of Saudi Arabia and Iran are put together, they add up to nearly 375 billion barrels, but a single Thar Coal Reserve in Sindh, Pakistan is about 850 trillion cubic feet – more than oil reserves of these two countries!*

The truth of these words really struck us when we, some 20 students of IEEE UIT Student Branch and Karachi Section, saw for ourselves the Thar coal reserves on a day-long trip on 30 July with the Section Chair Mr Parkash Lohana accompanying us.

The black gold is found in all the four provinces of Pakistan, but the bulk of it is found in Sindh, so we journeyed there in order to gauge for ourselves, as budding engineers, how much potential the reserves really bear. On our way, we made a stop-over at Jamshoro, visiting an impressive museum of Sindhi heritage, Sindhology, which is 200 kilometres from the mines and houses exciting specimens of the historic Indus Valley Civilisation, unearthed at Moen Jodaro estimated at being in existence since 3000 BC.

After reaching our destination, we were told that these coal reserves are one of the largest of their kind on earth, located about 450 km from Karachi. Even though a great area was cordoned off for visitors, nevertheless, it was easy to guesstimate the enormity of the deposits. Our guide informed us that the economic coal deposits of Pakistan are restricted to Paleocene and Eocene rock sequences and the magnitude of the reserves in this can be quantified by the fact that they encompass one of the world's largest lignite deposits, sprawling over more than 9,000 square kilometres, and are sufficient to meet country's fuel requirements for centuries! Recent studies on coal bed methane (CBM) proposed to be carried out in Thar will enhance the value of this deposit.

To our disappointment, we saw that there was minimal excavation or quarrying being carried out on the fields. The knowledge was quite depressing that the country has been facing energy crises despite owning such priceless treasures. Pakistan has emerged as one of the leading countries – seventh in the list of top 20 countries of the world – after the discovery of these huge lignite coal resources in Sindh. Whole-hearted efforts in this regard are really sought to tap the potential of these deposits.

Making an excursion to the nearby areas, we also witnessed small-scale endeavours to use renewable source of energy on the site; a few solar-powered workhouses in the vicinity that were indigenously developed.

**Hassaan Idrees, IEEE Karachi Section Student Representative, and Abdul Hai Khan, Chair UIT Student Branch**



**IEEE Student Branch, IIT Kharagpur, India**

**2010 IEEE Students' Technology Symposium**



IEEE Students' Technology Symposium is an annual event conceptualized by IEEE Kharagpur Section and Student Branch, IIT Kharagpur. The inaugural version of the event codenamed IEEE TechSym 2010 was held at the lush green and youthful campus of IIT Kharagpur, India during 3 - 4 April 2010. It was an event for nurturing the talent of students' and young professionals, as it was more than a technical festival or a student paper contest attended by over 100 students, 50 faculty, 30 industry professionals, and 20 school students.

The event hosted nine plenary sessions including lectures by experts from industry and academia along with



professionally managed oral and poster sessions showcasing fifty eight original contributions from students and young professionals on four different technical tracks featuring Technology in HealthCare, Technology in Education, Human Computer Interaction, and Women in Engineering. The event was technically co-sponsored by IEEE

Engineering in Medicine and Biology Society, IEEE Education Society Student Activities Committee, IEEE Women in Engineering Affinity, and the Natural Interface Design Group at IIT Kharagpur, with publications supported by IEEE Xplore (TM) Digital Library. UnitedHealth Group Information Services Pvt. Ltd., India, IEEE R10 Education Activities Board, and Indian National Science Academy, New Delhi, India financially supported the show with Metawing Technologies (I) Pvt. Ltd., India extending educational outreach and partnership.

The bouquet also included exciting opportunities brought forward by some of the technological giants through

Technology Quiz and Model Making Contest. The events were technically co-sponsored by BeagleBoard.org, and Microsoft Student Partners. Social interaction and cultural outreach consisting of performing art forms and music around Kharagpur and West Bengal, organized in association with Association for



Supporting Marginalized Aspirations, India, during the gala dinner on 3 April 2010 was well enjoyed by the attendees. Attendees and delegates were presented with customized IEEE merchandise and mementos along with participation certificates as memorabilia.

Post conference details and frozen moments of the information exchange are available at the conference site <http://techsym.in/>.



**Debdoot Sheet**  
**Secretary, IEEE Student Branch of IIT Kharagpur**



## IEEE WIE NEDUET, Karachi, Pakistan

### BOX OFFICE- A Short Film, Animation & Scripting Competition

Just like the tag line of event 'Box Office - turning illusions into reality' succeeded to turn illusions into reality once again by the efforts of IEEE WIE NEDUET. The event held at NEDUET on the 9th of August, 2010 offered a lot of grandeur and glory to NED University of Engineering and Technology (NEDUET) Karachi.

It goes back to the long term planning to make Box Office come about. WIE NEDUET EXCOM took a dynamic initiative of organizing a mega event this year with the prospect of video competition! Major sponsor being a local TV channel named Style 360 did spark a sense of excitement for organizers as well as the gentry looking forward to participate in it. Box Office was a recreational event where students could showcase their creativity and ideas in the form of a short film, animation or a script. The event was sponsored by an NGO named Koshish Foundation with TV channel Style360 as our official media partner. Style 360 was very kind to mentor us throughout the preparation of this mega event of IEEE WIE NEDUET. The event was officially opened by the guest of honor, the Honorable Vice-Chancellor of NEDUET Engr. Abul Kalam.

With WIE's past accomplishments and Box Office's official promo that was telecasted on Style 360, the program paced up with videos being played and respective judgments simultaneously. The competition included short film, animation and scripting contest. Videos on themes each different in its way were shown which included amazing animation work and video making to reveal the unrevealed. Videos included comedy, awareness subjects, general subjects and thought provoking stuff. Comments were given by judges as soon as a specific video was over so as to fill up an interactive environment. Meanwhile, Style 360 took the coverage of event during breaks. The competition ended with a note of encouragement by each guest who appreciated the young minds and emphasized on hard work for future projects.



(L-R): Jibran Siddiki, (teacher from Arena Multimedia), Ms. Sabeen Mehmud (Director Peacheniche), Azfar Rehman (TV personality), Nimrah Hashmi (WIE Chair), Talha Mufti (Producer Style360), Zaid Alam (IEEE Vice Chair) and Hisham Syed (Director/Producer)

After a tough competition between 11 entries by students of different universities judges unanimously gave the first prize to "2030" a futuristic animation by Misbah Ameen, the second prize to "Blind Date" a humorous short film directed by Daniyal Asad and the third prize to "Xeroderma" a short documentary by Naveed Ahmed Usmani.

The event was closed by the chief guest Ms. Sabeen Mehmud COO of B.I.T.S. and director of NGO Peacheniche. The panel of judges included Talha Mufti Producer and Director of Style360, famous TV personality Azfar Rehman, a young and ambitious director/producer Hisham Syed, Adil Farhan from GEO-TV and Jibran Siddiki teacher at ARENA multimedia.

The Box Office proved out to be a success in exposing talented minds to a professional world so as to get the best that could serve media in this competitive media war. We are very thankful to all the people who helped us arranging this mega event.

**Nimrah Parvez Hashmi**  
Chair, IEEE-WIE NEDUET

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**The IEEE Annual Elections 2010**

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## Upcoming IEEE Conferences in Region 10

### **2010 7th International Conference on Ubiquitous Healthcare (u-Healthcare 2010)**

**28 Oct - 30 Oct 2010**

Conference Location: Jeju, Korea (South)

Sponsored By: Engineering in Medicine and Biology Society – EMB

Abstract Submission Deadline: 20 Sep 2010

Final Paper Submission Deadline: 11 Oct 2010

[Submission Details](#)

[Conference Details](#)

### **2010 IEEE Networked Embedded Systems for Enterprise Applications (NESEA)**

**25 Nov - 26 Nov 2010**

Conference Location: Suzhou, China

Sponsored By: Computer Society – C

Abstract Submission Deadline: 13 Sep 2010

Final Paper Submission Deadline: 24 Oct 2010

[Submission Details](#)

[Conference Details](#)

### **2010 Third International Conference on Education Technology and Training (ETT)**

**27 Nov - 28 Nov 2010**

Conference Location: Wuhan, China

Sponsored By: Beijing (Nanchang) Section IM Chapter

Abstract Submission Deadline: 30 Sep 2010

Final Paper Submission Deadline: 31 Oct 2010

[Submission Details](#)

[Conference Details](#)

### **2010 International Conference on Embedded Systems and Microprocessors (ICESM)**

**04 Dec - 05 Dec 2010**

Conference Location: Manila, Philippines

Sponsored By: Chongqing Subsection

Abstract Submission Deadline: 20 Sep 2010

Final Paper Submission Deadline: 30 Oct 2010

[Submission Details](#)

[Conference Details](#)

### **2010 MR-Based Impedance Imaging Workshop (MRII)**

**08 Dec - 10 Dec 2010**

Conference Location: Seoul, Korea (South)

Sponsored By: Engineering in Medicine and Biology Society – EMB

Abstract Submission Deadline: 15 Sep 2010

Final Paper Submission Deadline: 10 Nov 2010

[Submission Details](#)

[Conference Details](#)

### **2010 IEEE Sixth International Conference on Wireless Communication and Sensor Networks (WCSN)**

**17 Dec - 19 Dec 2010**

Conference Location: Allahabad, India

Sponsored By: Uttar Pradesh Section

Final Paper Submission Deadline: 10 Oct 2010

[Submission Details](#)

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