

R10 Director's Message

When the present IEEE Region 10 Executive Committee came into office in January 2011, we embarked on 4 goals, namely:

- Bring greater value to members
- Empowering Sections/Chapters
- Strengthen inter-OU collaborations
- Launch New Initiatives programs



With these guiding principles, several new activities, programs and initiatives have or are being started. These include:

- A rigorous organizational unit (OU) petition verification process
- Expanded and consistent awards program that recognizes individual, group and OU achievements
- IEEE Region 10 Technical Seminar series that is held twice a year in conjunction with the IEEE Region 10 ExCom Meeting and the IEEE Region 10 Meeting
- Volunteer training at the IEEE Region 10 Meetings and Congresses and via IEEE Webcast
- Launch of the 2nd Region 10 Conference (TENCON SPRING) series
- Launch of the Region 10 Humanitarian Technical Activities Special Interest Group

However, there is still much to be done in various areas such as:

- Understanding and addressing the low retention rate among student members
- Improving the attractiveness and relevance of content on the IEEE Region 10 website
- Improving volunteer participation and representation in various IEEE Boards and Committees
- Further explore methods to increase value to members across all levels from students to life members
- How to attract more members from industry

The IEEE Region 10 Executive Committee will be looking into these areas in the coming months. Undoubtedly, some of these will require longer-term solutions but it is our plan to put in place mechanisms and activities that will lead to improvements in these areas.

We started 2012 with two well received Region 10 Technical Seminars in Colombo, Sri Lanka, on 7 January 2012, and in Kolkata, India, on 3 March 2012. Both were jointly organized with the local IEEE Sections, namely IEEE Sri Lanka Section and IEEE Kolkata Section, respectively. These seminars provided the opportunities to bring together eminent speakers from within and outside the Sections to address topical technical areas, such as in Green Technologies. The Region 10 Women-In-Engineering Congress held on 5-7 March 2012 in Bhimavaram, India, was also very successful registering a total participation rate

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Upcoming IEEE Conferences in Region 10

IEEE Region 10 Executive Committee 2012

of about 600, the largest of its kind. This event was co-organized with Shri Vishnu Engineering College for Women.

In recognition of our outstanding volunteers and OUs, the 2010/2011 award winners include:

- 2010 R10 Distinguished Large Section Award to Madras Section
- 2010 R10 Distinguished Small Section Award to Islamabad Section
- 2011 R10 Outstanding Volunteer Award to NSS Prasad (Hyderabad Section), Michael E Evans (South Australia Section), Ramutis Zakarevicius (New South Wales Section), Tan Cher Ming (Singapore Section) and Muhammad Akbar (Islamabad Section)

- 2011 R10 GOLD Award to Rayees Amar Nishad (Kerala Section)
- 2010 R10 WIE Affinity Group of the Year Award to Hyderabad Section WIE Affinity Group
- 2011 R10 WIE Most Inspiring Engineer Award to Riri Fitri Sari and Agnes Irwanti (Indonesia Section)
- 2011 R10 Most Members from Industry (MMI) Award to Beijing Section
- 2011 R10 Most Increasing Members from Industry (MIMI) Award to Bangladesh Section
- 2011 MGA Leadership Award to Ram Gopal Gupta (Delhi Section)
- 2011 MGA Achievement Award to Ramakrishna Kappagantu (Bangalore Section)

We congratulate all these award winners on their outstanding performance.

Finally, here is a snapshot of the number of organizational units (OUs) in Region 10 as at December 2011:

- 57 Sections
- 17 Sub-sections (3 formed in 2011)
- 6 Councils
- 469 Chapters (25 formed in 2011)
- 27 GOLD groups (3 formed in 2011)
- 24 WIE Groups (4 formed in 2011)
- 837 Student Branches (101 formed in 2011)
- 138 Student Branch Chapters (32 formed in 2011)

Lawrence W.C. Wong
IEEE Region 10 Director 2011-2012

IEEE R10 News and Highlights

IEEE Region 10 Annual Meeting 2012

3 - 4 March 2012, Kolkata, India

Region 10 annual meeting was held from 3 to 4 March 2012 at Swissotel Kolkata, India. The meeting was attended by R10 Section and Council Chairs, R10 Excom members and distinguished guests from IEEE HQ. In total, 109 delegates were present. The distinguished guests from IEEE HQ included IEEE President-Elect Peter Staecker, MGA Vice President Howard Michel, President-Elect candidates Tariq Durrani and Roberto de Marca, and Managing Director Cecelia Jankowski.

The R10 Director and distinguished guests from IEEE HQ addressed the annual meeting in the morning session of the first day.

R10 Director Lawrence Wong welcomed all Section and Council Chairs, VIPs and Excom members. In his address, he presented R10 status and its goals for 2011 and 2012. In 2011, R10's voting rate was 11.1%, below the global average of 12.9%. Lawrence encouraged all Section Chairs to improve their members' voting rate. Lawrence also presented the latest IEEE updates, covering (a) change in volunteer term of office, (b) change in petitioning procedures in MGA ops manual, and (c) change in IEEE reserves allocation policy.

IEEE President-Elect, Peter Staecker also gave an update of the IEEE. A key message is that while membership continues to grow, especially in Asia, is not the only key to IEEE's future. Other key factors to IEEE's continuous growth include (1) Products and services, and (2) Volunteer engagement.

MGA Vice President, Howard Michel thanked the delegates for their volunteerism, and highlighted the mission & vision of MGA. He shared about the approaches (landscape) to deliver member benefits, which include (a) Tactical: Continue to deliver value in 2012, which includes solidifying the membership message, Centre for leadership excellence, vTools,, (b) In between: Plans to grow and broaden the conference program, (c) Strategic: Re-invigorate and re-invent geo units.

MGA Managing Director, Cecelia Jankowski provided updates on (a) IBP (IEEE business platform) launch at the end of March, which will provide a unified and cohesive online user experience, (b) membership strategy & planning covering product line, career phase development, technical diversification, and geographical expansion. Lastly, Cecilia gave an overview on the 2012 member segmentation results.

R10 Secretary gave a report on 2012 R10 Excom meeting in Colombo and called for the approval of the minutes of R10 Meet at San Francisco. After that, a President-Elect candidate Q&A session was conducted to allow R10 members understand the goals of the two candidates.

The remaining sessions for the first day were reserved for presentation of reports by R10 Excom members. This included presentations by R10 Vice Chairs, poster sessions by R10 Coordinators, and as well as 2011 R10 financial and audit report. After the 2 hours poster sessions, the R10 delegates returned to the meeting hall to finish the rest of the



agenda.

On behalf of Professor Yong Jin Park, Professor Janina Mazierska announced the R10 Direct Elect nominees for 2013-2014 as (1) Ramakrishna Kappagantu (Bangalore Section) and (2) Kukjin Chun (Seoul Section).

Howard Michel provided the updates about IEEE Geo Unit Reserve Sharing plan. The change in policies in reserve sharing largely affects units (Regions/Sections) with 200% reserve to expense ratio and at least \$20k in all their accounts based on a 3 year average (L50 financial data). The details can be downloaded from the R10 website (via R10 Meet tab).



MGA Managing Director, Cecelia Jankowski, MGA Vice President, Howard Michel and R10 Director Lawrence Wong at the dinner.

A banquet and awards ceremony was held in the evening of 3rd March, hosted by Sivaji Chakravorti. The evening was a pleasant time for the delegates to mingle and interact. Awards presentation at the 2012 R10 AGM dinner banquet was coordinated by R10 Awards & Recognition Committee Chair, Takatoshi Minami.

The dinner closed with the presentations by representatives from four Sections (Thailand, Tokyo, New South Wales, and Karachi) about their proposals to host the 2013 Excom and R10 AGM, and an exciting lucky draw based on quiz results submitted during the poster session. Everyone enjoyed themselves and had a wonderful evening.

The second day, 5 March, began with reports on TENCON 2011 (Indonesia Section), 2012 (Philippines Section), 2013 (Xian Section), and a call for R10 TENCON II proposal by R10 Conference & Technical Seminar Coordinator, Borhanuddin Ali.

The final version of the 2012 R10 budget was presented by R10 Treasurer Michael Ong. The budget was endorsed by R10 committee during the executive session.

The rest of the morning was then largely dedicated to small groups feedback and training, covering topics like Section volunteer leadership, IEEE segmentation results, Section management, IEEE offices in Singapore, China, India, and Japan, and vTools.

The R10 meeting ended at 12.45pm, with everyone excited to return home to inspire their Sections to new heights.

Darrel Chong
IEEE Region 10 Secretary

Conferences & Technical Seminars Coordination in R10

R10 Distinguished Lecture Program

At the Kolkata R10 Annual Meeting, the invitation for the R10 Distinguished Lecture Program was issued to promote DLP speakers coming from R10 to give lectures in selected Sections within R10 locality. This was announced in the Poster Exhibition and subsequently information was circulated to the Section Chairs.

By the second deadline of 15th May 2012 we received 16 names and a few more were trickling in. There were 3 names each from Taipei and Queensland Sections, 8 from Singapore Section, and 1 each from Karachi and Bangladesh Sections. The list is now drafted and we are awaiting further information from the proposers before we embark on this initiative by the end of June, 2012.

IEEE Technical Co Sponsorship (TCS) and e Notice

Starting this year, there are a couple of new policies with regards to TCS and the use of eNotice service.

First, non IEEE owned conferences which wish to get Technical Co-Sponsorship (TCS) from R10, shall have to request directly to the Sections that administer the IEEE activities within the city of intended conference venue. For example, if they intend to hold it in Phuket, they will have to get Thailand Section TCS; or for Cebu, to get Philippines, and so on. R10 will not give TCS directly. The local Section shall have to participate closely with the conference organiser to ensure that IEEE Conference policies and guidelines are adhered to.

Secondly, any conferences, regardless whether they are IEEE OU or otherwise, which wish to publicise their CFP through IEEE eNotice for R10 members, shall be charged the following; for one email blast, the charge is USD300; for two blasts, USD500. The conference shall first request IEEE Conference Services (Conf Serv) for the blast; then the IEEE Conference Service shall get the go ahead from R10 Director, who will subsequently notify R10 Treasurer for the billing. As soon as this is done, the email blast shall be executed by IEEE Conference Service. The last stage may be done in parallel, i.e. the email blast may go as soon as the billing charges have been given and the organiser agrees with the term. The Director may delegate the task of approving the eNotice to the Conference Coordinator.

TENCON SPRING 2013

The selection for the first Tencon Spring proposal has been made. Out of 5 submissions, NSW Section, Australia has been selected to host this inaugural conference in 2013. TENCON Spring shall complement the long running annual TENCON event and it shall focus on a certain theme which is current and cut across several disciplines. For this conference, NSW has proposed "Personal Communication in a mobile world" which covers topics on Power and Energy, Devices, Materials and Processing, Signal Processings and Applications, Networks Communications, and many others related to Personal Communications. It is expected that the conference shall be held around April 2013 in a NSW city, Australia.

Borhanuddin Mohd Ali
R10 Conference & Technical Seminar Coordinator.

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IEEE Region 10 Technical Seminar 'Green Technology'

The IEEE R10 Annual Technical Seminar, which is organised every year in conjunction with the Region 10 Annual Meeting, was held on 02 March 2012 at H. L. Roy Seminar Hall, Jadavpur University Campus, Kolkata, India with the collaboration of IEEE Kolkata Section.

In the inaugural session participants were extended a hearty welcome by Lawrence Wong, R10 Director. He also made a brief presentation on the goals and roadmap of R10. Borhanuddin M. Ali, Coordinator, Conferences and Technical Seminar, IEEE Region 10, spoke on the scope of the seminar.



The technical program was divided into two sessions. The first session was chaired by Prof. Dipak K Basu, former Chair of IEEE Kolkata Section. In this session, Greg Adamson, Member of the Board of Governors of the IEEE Society on Social Implications of Technology and Chair IEEE Victorian Section, Australia, delivered a talk on "Barriers to the Adoption of Green Technology".

The second technical session was chaired by Prof. Nirmalendu Chatterjee, also former Chair of IEEE Kolkata Section. There were three technical presentations in this session as follows:

- "Advances in Power Electronics and its impact on Clean Energy Technology" by Ajit K Chattopadhyay, IEEE Fellow, former Professor of IIT Kharagpur and Emeritus Professor, Bengal Science and Engineering University Shibpur, India,
- "Purulia Pumped Storage Station – Delivering quality power from a technically and socially relevant power project" by Asish K Ghosal, Director Projects, West Bengal Power Development Corporation Ltd, India and "ICTs
- "Climate Change: An Action Plan" by Satish Babu, Chair IEEE Kerala Section, India, and Global DVP Coordinator, IEEE Computer Society.



All the presentations generated healthy discussion and inquisitive questions were asked to the presenters by the participants. Mementos were presented to the distinguished speakers, session Chairs as well as to R10 Director and R10 Conferences and Technical Seminar Coordinator. In the end the vote of thanks was proposed by Sivaji Chakravorti, Chair IEEE Kolkata Section.



The seminar was attended by more than 85 participants including large number of students.

Sivaji Chakravorti
Chair, IEEE Kolkata Section and Convener of the R10 Technical Seminar on "Green Technology"

R10 Industry Relations Committee

Industry Relations Development Projects

During Region 10 meeting at Kolkata on 3rd & 4th March 2012 following projects were undertaken for 2012:

1. Segregation of Industry & Academia Members from total list of IEEE Members in Region 10 was planned for completion by August/September 2012. However, this year a new system to extract membership database called OBIEEE has replaced the old system called SAMIEEE. Due to some teething problems in extracting the data from new system OBIEEE, the completion is likely to get delayed a bit but it will not affect finalization of awards of Industry Relations Committee.

2. Finalize & Award Joint Industry Day in Region 10. Call inviting proposals to host Industry Day in Region 10 was issued on 26 March 2012 with deadline as 30 April 2012. Later on request of some Sections, on 30 April 2012, submission date was extended up to 10 May 2012. Proposals from following Sections were received:

(1) M.P. Sub-Section (2) Bangalore Section (3) Lahore Section (4) Queensland Section and (5) Gujarat Section. All proposals were scrutinized by a committee and decision to award is expected to be finalized by middle of June 2012.

3. Check with all Sections in R10 as to how many have Industry Relations Coordinator/Chair in their Sections. Out of 57 Sections & 6 Councils in R10, 30 Sections responded. Out of these 30 Sections, 17 have post of Industry Relations Coordinator/Chair and the remaining 13 Sections do not have. Response from all 6 Councils & 27 remaining Sections is still awaited.

Rajendra K. Asthana
Chair, R 10 Industry Relations

2011 R10 Distinguished Large and Small Section Awards

It is my great pleasure and honor to announce the winners of the 2011 R10 Distinguished Large and Small Section Awards.

The R10 has selected **Hyderabad Section** as the 2011 R10 Distinguished Large Section and **Hiroshima Section** as the 2011 R10 Distinguished Small Section.

The selection of the two awards was based on the performances summarized in the 2011 Section Report submitted by R10 Sections.

Award certificate will be presented to these winning Sections at the 2013 R10 Annual Meeting to be held early next year, and the cash bonus of USD1,000 will be sent to each of them after the meeting.

Congratulations on the job well done by Hyderabad and Hiroshima Sections!

Takatoshi Minami

Chair, IEEE R10 Awards & Recognition Committee

Region 10 Humanitarian Technology Activities

Region 10 is encouraging Humanitarian Technology activities in the Sections for the benefit of underserved. Sections are showing lots of interest in addressing this humanitarian mission of IEEE and coming forward to form 'Special Interest Group on Humanitarian Technology' (SIGHT). Recently IEEE R10 Humanitarian Technology Activities (HTA) invited project proposals from Sections to encourage humanitarian activities in the Region. This was the first time when R10 invited proposals exclusively for 'Humanitarian Technology Activities'. 20 proposals were received from different Sections, out of these, 14 proposals qualified for evaluation. The Evaluation Committee selected 8 (eight) best proposals for providing funding from R10.

The Evaluation Committee, consisting of following members, evaluated the project proposals.

1. Deepak Mathur, R10 HT Activities Coordinator (Chair of the Evaluation Committee)
2. Kukjin Chun, Vice Chair R10 Membership Activities
3. Rajendra Asthana, R10 Industry Relations Coordinator
4. Greg Adamson, Chair Victorian Section
5. Arjun Pillai, GOLD representative from Kerala Section

Following are the details of selected project proposals; all projects must be completed by 15th December, 2012.

(1) Sensor column for landslide monitoring (Joel Marciano, IEEE Philippines Section)

Cost of the Project: US\$1000

Support from R10: US\$750

This project intends to deploy a landslide monitoring system in a marginalized area in the Philippines and to conduct associated activities to foster a sense of ownership among the community members in the deployment area. The landslide monitoring system consists of locally designed and developed sensors and data logging system, which have benefited from the synergistic collaboration between electrical engineers, geotechnical engineers and geologists from the academia and government agencies in the Philippines. The project has support of US\$50K (Philippines Government) towards the research on the development of

landslide sensor. The support from Section and R10 will go towards the deployment in an identified landslide prone area.

(2) Sustainable Technology for empowering people (Anil Roy, IEEE Gujarat Section)

Cost of the Project: US\$1250

Support from R10: US\$750

The project is to bring clean and safe drinking water for the people lacking resources in the developing nations. Nanofiltration and microfiltration is powered by solar energy. Project aims to get support from the local bodies also.

(3) Remote Ophthalmic Medical Image Diagnosis for Primary Hospital (By Gao Song, IEEE Beijing Section)

Cost of the Project: US\$952

Support from R10: US\$714

The project is to help ophthalmic patients of remote area. This way people will get expert advice and treatment from international advance eye image technology achievements of Beijing Institute of Ophthalmology and Beijing Tongren Hospital with the technology and resources of IEEE members of Beijing Section. The eye images of patients using the available funded camera, personal computer and network platform in primary hospitals will be transferred to the ophthalmic diagnosis and treatment platform of Beijing Institute of ophthalmology with WEB platform for online ophthalmic image diagnosis and treatment. Beijing Daheng Medical Eqpt Co is supporting the Beijing Section and bearing the cost.

(4) Design Analysis of Vertical Axis Turbine Savonius Type in Low Speed Wind Turbine for Remote Fishing Area (Eko Adhi Setiawan, IEEE Indonesia Section)

Cost of the Project: US\$1200

Support from R10: US\$750

The project is for the welfare of Indonesian people who live in the coastal area where there is no electricity. It is plan to install the turbine with axial flux generator on the fisherman's boat so that when they go for work, the sea breeze will eventually rotate the turbine and generator as well. Thus, the electricity will be produced because of the flux from the permanent magnet inside the generator. The generated 3 phase AC will be converted in to DC for storage of the electrical energy in to battery. This will be further used by fishermen families for lights and/or small electrical appliances. Engineering University of Indonesia is also supporting the project.

(5) Wireless Head Mounted Mouse & Keyboard for Physically Disabled Persons (Preeta Sharan, IEEE Bangalore Section)

Cost of the Project: US\$800

Support from R10: US\$600

The project is for the development of an interface system that would allow a similarly paralyzed user to interact with a computer with almost full functional capability. That is, the system operates as a mouse initially, but the user has the ability to type using an Onscreen virtual keyboard allowing the entry of text. This is achieved by using the control from a single eye, tracking the position of the pupil for direction, and using blinking as an input. As detection of eye motion proved too challenging, an accelerometer based tilt detector

to determine head motion is also developed and incorporated.

(6) Low cost low bandwidth virtual education platform for underserved (Iti Saha Misra, IEEE Kolkata Section)

Cost of the Project: US\$1000

Support from R10: US\$750

The project aims to build a prototype for the low cost Internet based education platform for the underserved addressing constraints like lack of good teachers, communication bandwidth, effective learning materials and effective methods of teaching. Project outlines visual engagement, voice engagement (preferably in local language and English), interactive question answer session and an operator at the end node. An Internet based solution that assumes computing facilities at the end points where the visual aid is pre-stored but the audio visual advancing controls would be maintained from the central node from where only voice would be broadcast. Thus reducing the requirement of the communication bandwidth considerably. The interactive question answer session would use the modern web-based technology. While the questions would come from the end points in text using Internet, the response can be either in text or voice. The project will develop a solution with the complete control of the visual aid at the central node but the same would be transferred at the end point accordingly controlling the pre-loaded visual aid along with the delivery of voice.

(7) A Significant Scheme On Small Renewable Hybrid Standalone Power Generation System (Anand B, IEEE Madras Section)

Cost of the Project: US\$480

Support from R10: US\$360

This project presents a schematic design of a compact standalone hybrid power generation system using wind-solar resources. This system can be implemented in national highways, where huge amount of air can be collected due to the high speed motion of vehicles and at the same time the solar energy from the ambient will also be collected. Finally both energies will be acquired simultaneously for charging the batteries and is supplied for domestic and rural purposes. For the purpose of maximum uninterrupted power supply in industries and factories, a DC generator and power supply line are also connected to the system, but these two systems works in a priority order, only when the demand is not met by the Wind-Solar system. The main advantage of this system is, it can be implemented in both standalone and grid connected modes.

(8) RENEWLATOR – An Analytical Tool for Conservable Energy (Anne Mary Sebastian, IEEE Kerala Section)

Cost of the Project: US\$550

Support from R10: US\$410

The basic objective of the project is to create a tool which helps to determine various specification of renewable energy based power plant. An analysis on the potential scope of the energy in terms of cost and requirements. This project will be useful in providing cost effective solution on the energy for a particular geographical area, deriving the deciding factors like number of solar panels, wind turbines etc. thus identifying which form of energy will be suitable for particular area and analyzing how change in one or more

parameters associated with the particular energy source effects the other parameter.

SIGHT: All the Sections are requested to form SIGHT (Special Interest Group on Humanitarian Technology), if not already formed, and promote Humanitarian Technology activities in their respective Sections. Please visit <http://ieeesight.net> for further details.

Deepak Mathur

R10 Humanitarian Technology Activities Coordinator:

Membership Development Plans

Dear Section Chairs and Section MD Chairs,

Thank you to those Sections who have conducted Membership Development Workshops and are sharing their plans for 2012.

We have begun up-loading the Section MD plans for sharing at: <http://ewh.ieee.org/reg/10/MDC/MDCMain.html>

We encourage you to review your Section MD plan over the year and up-date if you wish to. Please send your Section MD plan up-dates to ieeepo@pacific.net.sg for up-loading anytime throughout the year.

This exercise will help Sections to formulate ideas on how best to meet members needs (technical, social etc) at the local level and to improve the member's experience and their professional career standing in their communities.

Some Sections have informed that they will conduct their MD workshop soon. We look forward to receiving their MD plans, which and will be up-loaded as we receive them.

If your Section has not conducted the workshop, we strongly encourage you to do so soon, preferably within the next few weeks.

Yours Sincerely,

Hang Bong Kang

R10 Membership Development Chair

IEEE Award Recognizes Ethical Practices

Do you know of an IEEE member or an organization employing IEEE members that has shown exemplary ethical behaviour or practices, or has successfully advocated them? Then consider nominating that person or company for the IEEE Award for Distinguished Ethical Practices. The deadline for nominations is 1 July.

For more information and the nomination form, visit:

http://www.ieee.org/about/ethics/ethics_award.html

Awards Presented at the 2012 Region 10 Annual Meeting



2011 R10 Distinguished Large Section Award presented to the representatives of Madras Section by R10 Director, Lawrence Wong.



Nimmagadda S Prasad (Hyderabad Section) received 2011 R10 Outstanding Volunteer Award.



2011 R10 Outstanding Volunteer Award for Michael E. Evans was presented to the representative of South Australia Section.



2011 R10 Outstanding Volunteer Award for Ramutis Zakarevicius was presented to the representative of New South Wales Section.



2011 R10 Outstanding Volunteer Award for Tan Cher Ming was presented to the representative of Singapore Section.



Rayees Amar Nishad (Kerala Section) received 2011 R10 GOLD Award.



2010 R10 WIE Affinity Group of The Year Award was presented to the representative of Hyderabad Section WIE Affinity Group.



Riri Fitri Sari and Agnes Irwanti (Indonesia Section) received 2011 R10 WIE Most Inspiring Engineer Award.



2011 R10 Most Members from Industry (MMI) Award was presented to the representative of Beijing Section.



2011 R10 Most Increasing Members from Industry (MIMI) Award was presented to the representative of Bangladesh Section.



Ram Gopal Gupta (Delhi Section) received 2011 MGA Leadership Award from IEEE VP-MGA, Howard Michel.



Ramakrishna Kappagantu (Bangalore Section) received 2011 MGA Achievement Award from IEEE VP-MGA, Howard Michel.



Note: Since Islamabad Section could not attend the meeting, the following awards were sent to the Section for presentation at some other appropriate occasions in the Section:

- 2010 R10 Distinguished Small Section Award for Islamabad Section
- 2011 R10 Outstanding Volunteer Award for Muhammad Akbar (Islamabad Section)



Takatoshi Minami,
R10 ARC Chair



Timothy Wong,
R10 GOLD Coordinator



Takako Hashimoto,
R10 WIE Coordinator



Rajendra K. Asthana,
R10 IR Coordinator

IEEE President-Elect 2013 Candidates

Introductions and Position Statements of IEEE President-Elect Candidates

(Candidates are listed in the alphabetical order by the last name)

J. Roberto B. de Marca

(Nominated by IEEE Board of Directors)

www.robertodemarca.org



Roberto was a Fulbright Scholar at the University of Southern California, where he earned a Ph.D. in Electrical Engineering. Since 1978 he has been on the faculty of the Catholic University, Rio de Janeiro, having held several leadership positions including Associate

Academic Vice President. Throughout his career Roberto built an extensive international experience enjoying appointments in universities and industrial laboratories in different countries. Twice on leave he served as Scientific Consultant with AT&T Bell Laboratories, Murray Hill. In 2008 he was a Visiting Professor with the Hong Kong University of Science and Technology and later in the year he held a Guest Scientist appointment with NEC Network Research Laboratories in Heidelberg, Germany.

As Scientific Director of the Brazilian National Research Council, managing a 300 million dollar research funding program, Dr. de Marca authorized the start-up money for the national research network that led the way to the widespread use of Internet in Brazil. He was a delegate to several ITU meetings where the wireless 3G specifications were developed. Recently, he served three years as a member of the presidential advisory committee of Finep, the largest Brazilian funding agency/bank for research and innovation.

Dr. de Marca was the founding President of the Brazilian Telecommunications Society. He is an IEEE Fellow and a full member of both the Brazilian National Academy of Sciences and the National Academy of Engineering.

Selected Volunteer Accomplishments

- Under my leadership as **Chair of the IEEE Future Directions Committee**, IEEE started successful initiatives in Cloud Computing, Smart Grid and Transportation Electrification. It also started two new conference series, Technology Time Machine and Smart Grid World Forum, aimed at industry and corporate leaders.
- As **IEEE VP – Technical Activities**: strengthened relations with other IEEE organizations to address Society membership decrease and development of joint services; established an industry leaders committee to improve the quality of our products for practitioners; launched development of IEEE's technology roadmap; stimulated creation of an RFID Technical Committee and triggered changes in the Society/Council performance review process.
- During my term as **President**, the IEEE Communications Society achieved its highest membership; partnered with other organizations to offer new conferences, publications and services in key technologies such as Internet, optical networking and wireless communications; added new web-based services; launched the first Global Chapter Chair Congress; had a five-fold increase in Distinguished Lecturer Tours and had a record revenue year.
- As **Society volunteer** I led teams that successfully changed the structure of ComSoc flagship conferences and added focus to the long term planning of their technical programs. I led the development of IEEE WCNC to become the premier ComSoc Wireless conference. I was Chair of 4 IEEE major conferences and recently I co-Chaired the first ever on-line ComSoc conference, IEEE GreenCom. Early on in my volunteer career I was the proponent of the creation of the very successful and long lasting Student Travel Grant program.
- Chaired the IEEE **Humanitarian Technology Challenge** through its conception years, when the highly praised data connectivity for remote health locations project and the reliable energy solution that is being adopted by the Haiti government were started

Other IEEE Key Positions: IEEE Secretary; Division III Director; Member, MGA Board; Member, Standards Board; Chair, Member, Spectrum Editorial Board.

IEEE related AWARDS: ComSoc/KICS Exemplary Global Service, 2011; ComSoc Harold Sobol Award, 2008; ComSoc Wireless Communications TC Recognition Award, 2006; Third Millennium Medal, 2000; ComSoc Donald W. McLellan Award 1998.

POSITION STATEMENT

I will leverage IEEE's strengths and assets (dedicated volunteers, skilled staff and powerful brand) and with the help of Region 10 volunteers apply my leadership skills to lead IEEE into the next decades. My focus as IEEE President will be to:

Use my proven record of attracting industry participation to strengthen **collaboration with Industry**. This revitalized collaboration will lead to new benefits and services that will allow members everywhere to perceive IEEE as essential to their career development and professional success;

Guarantee that IEEE will continue to have a leadership role in fostering **new technologies** and global innovation;

Accelerate IEEE's **globalization** towards a truly transnational IEEE, ensuring greater worldwide opportunities and participation of members and volunteers. Provide more regionally focused products and services across the globe;

Strongly support initiatives that result in human-centric technology advances and address essential **humanitarian challenges** affecting us all;

Address **young professional's needs**: creating continuing education/ training opportunities to facilitate career progress; facilitating access to leadership

positions in IEEE; and establishing mechanisms for information access at reasonable costs;

Reward **long-term** membership and volunteerism and increase support for **student** technical activities;

Develop a comprehensive long-term strategy to increase the number of next generation **youth who pursue science and engineering** careers;

Enhance the quality of IEEE's products and membership services by making greater use of Internet and **social media** platforms;

Promote an environment where volunteers find **enjoyment** and **enrichment** in their activities.

Tariq S. Durrani

(Nominated by IEEE Board of Directors)

www.tariqdurrani.org



Research Professor
University of Strathclyde,
Glasgow, United Kingdom
(UK)

Tariq Durrani was born in India; obtained his BEng (Honours) in Electrical Engineering from Bangladesh, and MSc and PhD from the University of Southampton, England.

His distinguished career has included several positions at the University of Strathclyde in the UK – lecturer (1976), Professor (1982), Department Head of Electrical Engineering (1990-94), and Deputy Principal (2000-06) with major responsibilities for large-scale strategic developments. His research interests cover Communications, Signal Processing and Technology Management. He has authored over 350 publications; conducted collaborative work with industry partnering in major European Union programmes; supervised 40 PhDs, and currently holds Visiting Appointments at Princeton, University of Southern California, Stirling (Scotland) and Chengdu (China).

Durrani has held Directorships of eight organizations, including the Scottish Funding Council, UK National Commission for UNESCO and several other public/private, national/multinational, small to large organisations. He has served as Advisor to the Governments of UK, Portugal, Netherlands, UAE, US and European Union. He is Fellow of the UK Royal Academy of Engineering, the Royal Society of Edinburgh; IEEE, UK IET, and a past Vice President of the Royal Society of Edinburgh. In 2003, Queen Elizabeth honored him with the title OBE – (Officer of the) Order of the British Empire 'for services to electronics research and higher education'.

IEEE Accomplishments and Activities

(M '82, SM '86, F '89)

I have had the privilege of serving the major Boards of IEEE, including Technical Activities, Educational Activities, Publication Services & Products, and Awards.

As **President of the IEEE Signal Processing Society (1994-1995)**, established the IEEE Jack Kilby Medal

in 1995; created the highly successful publication IEEE Signal Processing Letters.

As **President of the IEEE Engineering Management Society (2006-07)**, fostered technology management activities, support, and services to members across IEEE's technical societies.

As **Vice Chair of the IEEE Publication Services & Products Board** and **Chair of the TAB Periodicals Council (1996-97)** established the Periodicals Review Committee for improving quality timeliness of IEEE Journals and Transactions.

As **Member of IEEE Awards Board (2006-08)** in partnership with Royal Society of Edinburgh, established the joint IEEE/RSE Maxwell Medal.

As **IEEE Communications Society Regional Director for Europe, Middle East and Africa (2009-11)**, established the IEEE ComSoc Young Researcher Award, recognising outstanding and talented young members in the Region.

As **Vice-Chair Technical Activities for Region 8 (2003-04)** introduced Section reviews and platforms for sharing best practices within Sections; Chair Region 8 Conference Committee (2001-02) to improve quality and effectiveness of regional conferences. Member R8 Industry Relations Committee (1999-2001).

As **Vice President, IEEE Educational Activities Board (2010-2011)** delivered strategic vision and plan, enhancing global engagement. Promoted key programs that support educational needs world-wide, at the pre-university, university and professional levels. Supported Standards Education. Promoted the multilingual IEEE flagship portal Tryengineering.org for pre-university students, parents and school counsellors.

Promoted development and delivery of the Teacher-in-Service Program (TISP) to introduce engineering design principles to pre-university students. It now reaches over 410,000 students annually. Promoted global accreditation activities to improve quality of engineering education in South America, the Caribbean, India, China and the Middle East. Supported major developments in the IEEE E-learning library for continuing education to practicing engineers.

IEEE Conferences – was General Chair of ICASSP'89, the IEEE's flagship conference on Signal Processing (Glasgow, 1600 attendees); Executive Chair of ICC 2007, IEEE's keynote conference on Communication (Glasgow, 1500 attendees); General Chair of IEMC 2002, the IEEE International Engineering Management Conference (Cambridge, England, 280 attendees).

POSITION STATEMENT

I shall work tirelessly to ensure IEEE's growth, relevance and success; world class publications and conferences; services to members; technological leadership and effective globalization.

I pledge to:

Support Members and their Careers

Support for industry members

- Deliver opportunities to *professional engineers* for enhancing their skill base through continuing professional development,
- Establish a Panel of Chief Executive/Technology Officers to advise IEEE on strategic issues for greater engagement with industry.

- Encourage practitioner-driven and practitioner-oriented conferences.
- Provide career support to GOLD members, and offer them reduced membership fees over a period.

Maintain Technological Lead and Development

- Ensure continued IEEE technological leadership in emerging areas through new publications, conferences, inter-disciplinary and cross-functional initiatives.
- Promote IEEE's global presence in areas such as Smart Grid, Cloud Computing, Green Technologies, Life Sciences, Cyber Security, Technology Management, Transportation and Energy.

Offer New Approaches to Publications

- Mass customization of technological information - offer information products constructed from across all IEEE publications, customized to suit individual needs.
- Encourage publication of *multi-lingual* journals, serving members worldwide and opening new markets for IEEE's publications.

Support Globalization and Outreach

- Establish affordable member rates worldwide through new membership models and progressive benefits.
- Promote more balanced Regional representation in IEEE's leadership
- Deliver *IEEE's Humanitarian Vision* through alliances with institutions such as Engineering for Change, UNESCO and the World Federation of Engineering Organizations.
- Inspire interest in the joy, wonder, and excitement of engineering in school learners – through engagement with pre-university teachers and students.

IEEE President-Elect 2013 Candidates Reply to Questions from Members in R10

The two IEEE President-Elect 2012 candidates have also very graciously answered some questions from members in R10, which should help you to vote for the candidate you think the best.

Q 1. How will you address the tension between the demand for IEEE to produce more member benefits, and the pressure for membership dues to remain low?

(Chuan-Zheng Lee, NZ Central Section, New Zealand)

Roberto de Marca: I am not sure the issue is money. IEEE has enough revenues to increase member benefits and membership dues are not a dominant portion of the IEEE budget. It is just a question of priorities and political will of the Board of Directors. There are other current sources of tension that concern me more and are somewhat related to the posed question. One of them is the interpretation that because IEEE is a philanthropic organization in the US tax code it cannot have its focus on the members but has to benefit society as a whole. I contend it is possible to do both as IEEE always did. The second point relates to my observation that IEEE gradually is increasingly being managed as a regular corporation as opposed to a not-for-

profit organization. Both behaviors can affect the priority of adding benefits to members, that only indirectly will affect/increase revenues, and the Board of Directors must explicitly define how it wants IEEE to function. If elected, and if these thorny issues are not adequately resolved by the time I take office, I will make sure the IEEE BoD addresses these issues in significant detail.

Tariq Durrani: The IEEE strives to provide member benefits while meeting the demand to control membership dues. Both require careful evaluation. My position is that all members should receive a certain level of benefits for the membership dues, and then additional benefits can accrue based on a graded fee.

I also take the view that there can be a gradually escalating fee structure, a multi-step approach, for members as they advance in their careers, and at the other end, there could be recognition of member loyalty through a diminution of fee. However, these approaches need to be tested against robust financial modeling of the options available.

In terms of benefits available to members, most largely fall into three categories – those available to all; those specific to individuals, and of necessity, require individuals to cover the costs; and others, which are available in certain Regions or countries, such as insurance facilities, or for instance - IEEE USA's offering of CAMIndex.

Insurance facilities are based on arrangements with banks or insurance companies, primarily in the US. Initiatives are underway to develop these for other countries where financial houses are amenable to certain agreements. CAMIndex - Career Asset Management Index - originally developed by IEEE Educational Activities - can easily be rolled out to other Regions.

Q 2. With "Advancing Technology for Humanity" as its motto, how do you see IEEE playing its technology leadership role in meeting the challenges of natural disasters such as earthquakes, tsunamis and Floods?

(M. Aamir Jelani, Islamabad Section, Pakistan)

Roberto de Marca: In recent years IEEE has taken concrete steps to honor its motto. The IEEE Board recently established that 25% (> US\$1Million annually) of the so called new initiative fund shall be used for humanitarian technology projects. It also created a committee that is charged to implement processes for the allocation and disbursement of this funding. This committee, chaired by a Region 10 member, has established new entities called Special Interest Groups in Humanitarian Technology (SIGHT) that can function within any IEEE unit. Hence the mechanisms are in place and funding is available. It is now up to us, volunteers, in particular local volunteers, to come up with technically sound projects to address natural disaster challenges. Several IEEE Societies already address technologies (e.g., sensor networks, cloud computing applications) that can dramatically improve response in disaster situations. I have a proven track record of supporting and collaborating with humanitarian activities. For three years I chaired the Steering Committee for the Humanitarian Technology Challenge, a program that yielded successful solutions adopted both in Haiti and Peru. I will be diligent in asserting that: the new mechanisms are working well; funding is adequate and; ample opportunities are available for volunteers worldwide to participate in humanitarian technology projects.

Tariq Durrani: The IEEE has an established track record of providing support to areas affected by natural disasters. Two examples come to mind – provision of electricity generators to Haiti after the earthquake in 2010; and the contribution of \$50,000 from IEEE funds, with an equivalent sum raised through member donations to deliver relief aid to Pakistan after the major floods in 2010.

I will ensure that the IEEE supports Humanitarian aid programs, and encourage the development of new technologies in partnership with international organisations, such as Engineers for Change (E4C), or UNESCO's Man and Biosphere (MAB) program. The Man and the Biosphere (MAB) Programme is aimed at improving the relationship between people and their environment globally. As a current Director of UK National Commission for UNESCO, I am in a unique position to ensure this.

IEEE's highly successful Global Humanitarian Technology Conference (GHTC) in Seattle, attracts researchers working on affordable, appropriate and sustainable solutions for humanitarian challenges and for disadvantaged communities. I see establishment of GHTCs, particularly in Region 10, and Africa and South America, as offering an opportunity for the effective dissemination of solutions.

Closer to home, the work of IEEE Kerala Section, India, as reported in IEEE Annual Report 2005 after the 2004 Indian Ocean Tsunami, is an exemplar worth noting and copying in this context.

Q 3. At present the total number of IEEE Women in Engineering (WIE) Affinity Groups in R10 is significantly less than any other Chapters or Affinity Groups. What are the steps you are going to take to improve the number of WIE Affinity Groups and what are the plans you propose to increase the women members in IEEE and also to sustain the present women members in IEEE.

(Dr. Pushpa Kotipalli, Hyderabad Section, India)

Roberto de Marca: WIE is doing an excellent job in raising the awareness of the importance of women engineers to society. Region 10 has a very strong participation with 40% of all WIE affinity groups. As a WIE member I believe its impact will be magnified if it leverages collaboration with Region and Section leaderships to facilitate the creation of new local affinity groups; uses staff marketing expertise to understand why more than half of women IEEE members do not belong to WIE and what new services this group would value – cultural diversities and needs will likely demand service differentiation according to regions; develops stronger ties with other IEEE units, such as Education Activities and TAB that could lead to new initiatives, for example, in increasing awareness of engineering to pre-university women and to get more adequate leadership opportunities in technical activities, including in Distinguished Lecturer programs. These partnerships could also result in new revenue streams that would allow WIE to attract more members by improving services. From my part I will use the President's office resources and influence to help WIE achieve these goals and to assure there are adequate opportunities for women to serve in IEEE boards and committees.

Tariq Durrani: WIE, under the umbrella of the IEEE Educational Activities Board (EAB), has been fully supported by me as VP EAB. Interestingly the 2010, 2011 and 2012, WIE Chairs have come from Region 10.

Recognizing the need for greater engagement with women engineers, I have ensured that from 2012, WIE is a part of IEEE Member & Geographic (MGA) Board that has direct responsibility for promoting membership worldwide. This will lead to future growth and success.

I have the good fortune of recently conveying a Keynote Message at WIECON'12 held at Bhimavaram, India in March 2012, and was pleased to note the enthusiasm and dedication of IEEE WIE members attending the event.

I am a fervent promoter of the cause of women in Engineering and Technology and will continue to do so in the future. Some of my recent research with colleagues at the University of Strathclyde is concerned with the position of women engineers. Please note that an article, entitled 'The Glass Ceiling: Is it a State of Mind' coauthored by me, will appear in the July 2012 edition of WIE Newsletter.

Q 4. IEEE projects are available for the community like application of technology for rural and poor. This has not been up to the mark in R10 and particularly in India. Projects like use of renewable energy sources, and minimal technical education for youth, can be taken up for the cause of rural population. Why not start such initiatives? (Prof. V A Kulkarni, Pune Section, India)

Roberto de Marca: One of the earlier IEEE humanitarian related actions was carried by a group of Kerala Section volunteers providing technology support for relief in the 2004 Indian Ocean tsunami. As it happened then, IEEE activities are volunteer driven and they require volunteer leadership to start new projects. IEEE is putting in place a structure to foster humanitarian projects and to facilitate these efforts coming to fruition. Hence there will be an easier path going forward. On the other hand, improving basic education in a country is a major challenge that cannot be resolved without significant amount of resources. IEEE technical contribution has to be part of a broader effort that involves other entities. IEEE is developing partnerships with organizations such as United Nations and also groups like Engineering for a Change that will be very helpful in engaging other partners and identifying funding sources. I will seek to increase these collaborations. In my opinion, IEEE's contributions to these complex problems will start by engaging and empowering knowledgeable volunteers to design desired sustainable solutions and perform proofs of these solutions concept, followed by action by local volunteers to get them adopted. I strongly support IEEE fostering the development of technology that addresses mankind's most critical challenges.

Tariq Durrani: The IEEE Education Activities Board under my leadership has sponsored some 26 Engineering Projects in Community Service (EPICS) programmes, in 11 countries, five with rural communities in India, twelve in Africa, five in South America, aimed at precisely the issues raised in the question.

In February 2012, the IEEE signed a Memorandum of Understanding with UNESCO, orchestrated by me. Initial focus of this activity is on building engineering manpower capacity in Africa. No doubt the focus will move to other areas, and we will bear in mind the points raised by Professor Kulkarni.

As 2010-11 Vice President Educational Activities I had overseen the presentation of the TISP (Teacher in Service Program) in India, to train school teachers to promote

uptake of engineering as a career by their students. To date the TISP initiative has reached out to over 440,000 school students, worldwide.

At a recent visit to India as a guest of the Indian National Science Academy (INSA), I had discussions with Dr. M S Swaminathan ("Father of the Green Revolution in India"), on possible avenues of collaboration between the IEEE and Swaminathan Foundation in support of the provision of ICT to farmers in rural and remote area.

Vote & You Can Get Money for Your Section

The Region 10 will offer bonuses again in 2012, namely \$500, \$300 and \$200 to Sections with the highest voting percentage in the IEEE Elections 2011.

IEEE Region 10 Director-Elect 2013 Candidates

Introductions and Position Statements of IEEE R10 Director-Elect Candidates

(Candidates are listed in the alphabetical order by the last name)

Nim K. Cheung



Nim Cheung is currently CEO of Hong Kong Applied Science and Technology Research Institute (ASTRI), a 600-member ICT research center established by the Hong Kong Government. He received his B.Sc. degree from University of Hong Kong and Ph.D. degree from California

Institute of Technology, and has held different research and management positions at Bell Labs and Bellcore. From 1999 to 2002, he was Vice President of Applied Research Government Program in Telcordia Technologies, managing a Government-funded research program that grew at double-digit rates annually. Dr. Cheung conceived and created many innovative gigabit and optical networking testbeds that have evolved to become the backbone of modern information highways.

Dr. Cheung was consulting professor at Stanford University from 2004 to 2009. He is Fellow of IEEE and Telcordia Technologies, and has received numerous awards and honors, including Bellcore Award of Excellence and University of Hong Kong Faculty of Science Distinguished Alumni Award.

IEEE Accomplishments and Activities

COMMITTEES/BOARDS:

- Technical Activities Board (TAB), Member, 2006-07, 2010-11
- TAB New Technologies Directions Committee (NTDC), Member 2006-07
- TAB Periodicals Committee, Member, 2006-08
- TAB N&A Committee, Society President Representative, 2008-09
- TAB Membership Drive Committee, 2007
- Publication Services and Products Board, Magazines Committee EIC 2008-09
- IEEE Fellow Committee, Member, 2008-11, Chair 2012
- IEEE Ad Hoc Committee on Emerging Markets, Member, 2009
- IEEE Ad Hoc Committee on Transformation, Member, 2009-10
- Division III Director Elect, 2009
- Division III Director, 2010-11
- IEEE Board of Directors, 2010-11
- IEEE Public Visibility Committee, 2010

- IEEE Honorary Members Committee, Member, 2009, Chair, 2010-2011
- IEEE Employee Benefits and Compensation Committee, Member, 2010-2011
- IEEE Ad Hoc Committee on Strategic Planning, 2011
- IEEE Cloud Computing Initiative, Conference Track Leader, 2010-2012

REGIONS/SECTIONS/CHAPTERS:

- Advisor to Region 1 and Region 10 on numerous strategic and planning issues.
- Conducted many Distinguished Lecturer Tours in most of the Regions of IEEE.

SOCIETY:

Communications Society, Junior Past President, 2008-09; President, 2006-07; President Elect, 2005; Board of Governors, 1996-2011; Vice President – Society Relations, 2004; Vice President – Technical Affairs, 1996-97; Director, Related Societies, 2000-01, Strategic Planning Committee, Chair, 1998-99, 2005; Distinguished Lecturer, 2000-07; Fellow Evaluation Committee, Member, 2002-04; Conferences Committee, Council Chair, 2004; Nomination and Election Committee, Member, 1998-2000, Chair, 2009-10; IEEE Journal on Selected Areas in Communications, Senior Editor, 1989-2000; IEEE JSAC Optical Communications and Networking Series, Senior Editor, 2003-07; IEEE Communications Magazine, Editor-in-Chief, 2008-09; Staff, Facilities, and Investments Committee, Member, 1996-97, 2005-09; Technical Affairs Council, Chair, 1996-97; IEEE/OSA Journal of Lightwave Technology, COMSOC's Editor-at-Large, 1994-95; IEEE Press/Wiley Guide to Communications Series Editor, 2006-12.

CONFERENCES:

LEOS and COMSOC Summer Workshop on Gigabit Networking, General Chair, 1994; OFC conference Steering Committee, Member 2004-07; IEEE GLOBECOM Conference, EXPO Chair, 2008-09; IEEE Technology Time Machine Symposium, General Co-Chair, 2011; IEEE Hong Kong Section Cloud Computing Symposium, Organizer, 2011; IEEE Cloud Computing Initiative, Conference Track Leader, 2010-12.

POSITION STATEMENT

Region 10 is the fastest growing Region in IEEE encompassing both established and emerging economies in which over half the world's population are residing. This is one of the most exciting Regions of IEEE over the next few

decades because of its rapid increase in R&D personnel and technology investments. As IEEE is dedicated to advancing technological innovation for the benefit to humanity, Region 10 is well positioned to contribute to this effort through its collective wisdom and expertise in tackling the global challenges of clean energy, sustainability, healthcare and digital divide.

If elected, I will leverage my 25 years of leadership and service experience at the IEEE Board, TAB, Societies and other organization units to serve our members. I will strive to increase the Region's visibility and influence in all aspects of IEEE businesses and Region 10's representation in all leadership positions across the Institute. Throughout my career as an IEEE volunteer, I have always put a strong emphasis on technical excellence and relevance while maintaining the highest standards of ethics and professionalism.

Personal website URL:

<http://www.ieee.org.hk/vip/Nimcheung.htm>



Kukjin Chun

Kukjin Chun is professor of the department of Electrical and Computer Engineering at Seoul National University (SNU), where he served the head of the department. He also was the director of the Inter-university Semiconductor Research Center of SNU, where he established

government funded open infrastructure for MEMS fabrication which have been utilized by Samsung, LG and

Hyundai. After receiving MS and PhD degree from the University of Michigan as well as BS degree from SNU, he joined Washington State University in 1986 and SNU in 1989. He is the President of the Institute of Electronics Engineers of Korea and the member of the National Academy of Engineering of Korea. He served as an editorial board member of Journal of Micromechanics and Microengineering and the Fellow of the Institute of Physics of UK. He is serving the Advisory Committee of the Institute of Electrical Engineering of Japan as well as the International Advisory Committee of the LIMMS of University of Tokyo.

IEEE Accomplishments and Activities

He is currently Vice-Chair of Member Activities in Region 10 coordinating Chairs of Awards, Membership Development, Section/Chapter, WIE, Student Activities and GOLD. He also serves as the Chair of Section/subsection Elevation Committee which checks the validity and sustainability of new IEEE geographical units (Section, Chapter & Subsection) with the cooperation of parent Section's Chair. He was the secretary of Region 10 as well in 2009-10. As Seoul Section Chair and Secretary, he rejuvenated all Student Chapters by appointing new mentor professors and Chairs and maintained the highest regular membership in the Section. He has served the International Steering Committee of IEEE International Conference on Solid-State Sensors, Actuators, and Microsystems as well as technical program committee of IEEE International Conferences on MEMS, IEEE SENSORS, and IEEE

NEMS. He has received Outstanding Volunteer Award of Region 10 and Outstanding Service Award from Seoul Section.

POSITION STATEMENT

Region 10 (Asia and Pacific) is now the largest and fastest growing Region in IEEE with close to 100,000 members and over 1,500 geographical units (57 Sections/ 17 Subsections/ 6 Councils, 469 Technical Chapters, 837 Student Branches). The geographical units in the Region are quite vibrant and well established, but needs more care for the following aspects:

- Deliver more benefits to members
 - Inspire more recognition and representation among IEEE community
 - Strengthen technical leadership of the Region with professional activity support as well as humanitarian technology support
- Enhance achievements of geographical units in the Region
 - Boost Volunteer Leadership training
 - Establish new geographical units in emerging countries and rejuvenate inactive units
 - Foster initiatives for industry and women engineers
- Promote mutually beneficial collaboration among units
 - Create synergy by providing Region support to local leadership
 - Encourage information dissemination in geographical units in the Region

Personal website URL:

<http://www.kukjinchun.com>

Ramakrishna Kappagantu



Additional General Manager,
Power Grid Corporation of India
Limited, Bangalore, India

Ramakrishna Kappagantu has over 27 years' experience in Indian Power Sector/Electrical Industry. Currently as Addl. General Manager in the SRTS-II, he is commissioning-in-charge of the first 765KV Tr. System of

South-India and project manager of the first Smart Grid/City Project at Puduchchery besides supervising O&M of 55GW Capacity EHV Grid.

He published in various conferences and regularly speaks in many Industry/Research/Academic/Training Institutes. His interests include Power System Operation/Economics/Markets/Regulatory/SmartGrid/Renewables/SCADA-EMS.

He did B.E. (Electrical Engineering) from National Institute of Technology, Jaipur & M.Tech (Automation & Control) from Jawaharlal Nehru Technological University, Hyderabad, India. He possesses an Advance Diploma in Management/Human Resources and is a Life Fellow of Institution of Engineers (India).

He is an excellent speaker and loves Indian classical music. He works for embedding Human Values in Technology & Management and strongly believes that values induction

alone can drive the technology growth for the benefit of Humanity.

IEEE Accomplishments and Activities (M'91-SM'97)

India Council:

His Volunteer services & leadership to IEEE are certainly focused on providing opportunities/encouragement for members, students & young professionals to recognize/advance their technical/professional skills.

His extensive involvement added with technical and managerial experience had definitely converted many strategies formed by IEEE into tangible and tactical actions. His industry experience and relations helped IEEE to network with emerging needs and provided ability to recognize/cultivate diversity of members and their needs.

With his excellent professional, administrative and negotiation skills he had effectively coordinated meetings between IEEE Staff/Volunteers from HQ with Indian Government officials, PSUs, MNCs and Institutes. He is currently coordinating MOU signing between IEEE-SA and Bureau of Indian Standards as part of Smart Grid Initiatives.

Section: He made it possible Signing MOU during 2008 Sections Congress for Sister Section Relationship with Princeton Central Jersey Section thus making Bangalore, one of the first Sections in R10 and India to do so. He steered Bangalore Section to reach very high membership. With his leadership and guidance, the involvement of Industry and Academia in IEEE activities was at its peak.

He made WIE a reality in Section and took active lead in spreading GOLD, Student & GINI activities which ensured that many industry leaders and student members volunteered bringing a greater visibility for IEEE.

Chapter: He completely changed the landscape of PES Society of Bangalore in last 5 years and made it the most vibrant Society of Bangalore Section and India Council. The International Workshop on Smart Grids held at Infosys Mysore was a gigantic event that witnessed 1400 registrations. This first ever Smart Grid Workshop of IEEE in India was provided free to IEEE members and earned several laurels that paved way for many pilot projects in India on Smart Grids.

New Initiatives: Advocating for human values in Engineering he currently leads IEEE All India Young Engineers' Humanitarian Challenge (AiyeHum-2012) youngengineers.ieeebangalore.org a program that aims to fund, mentor and nurture the ideas of budding engineers of India towards solving Humanitarian challenges. He has been driving TISP programs in India and also started mentoring pre-university/High-school students for IEEE awareness and Engineering education.

Conferences: He steered many international conferences successfully as General/Organizing Chair in PES & IEEE and thus lead, guide and develop a big bunch of dedicated volunteers which certainly exhibit his strong interpersonal skills with sensitivity to cross-cultural and transnational issues.

Awards: His relentless and sincere efforts for growth of IEEE's Technical & Humanitarian activities in India and Asia-Pacific fetched him, besides 2010-IEEE Outstanding Volunteer Awards from Region10 and Bangalore Section, 2011-IEEE MGA Achievement and 2012-IEEE PES Bangalore Chapter Outstanding Engineer Awards.

IEEE Positions held

India Council: Secretary/Treasurer, 2009-10.

India Council Chapter Power & Energy Society: Chair, 2011-12;

Bangalore Section: AIYeHum Chair, 2010-12; Chair, 2008-09; Vice-Chair, 2004-07; SAMIEEE, 2006-07; SAC Chair, 2004-05; Secretary, 2003; Treasurer, 2000-02; MDC Chair, 1999; TAC Chair, 1998; EAC Chair, 1997.

Bangalore Chapter Power & Energy Society: Chair, 2010-11; Secretary, 2008-09; Founder-Chair, 2007.

POSITION STATEMENT

Vision: As world faces significant socio-economic, environmental and technological challenges, Ramakrishna want to create a forum for IEEE members to ignite & nurture every mind to imbibe human values for leading innovations in science/technology.

Goals for R10 include:

- Make R10 the most successful by increasing operational efficiency and effectiveness within R10 and its interfaces in IEEE
- Increase member engagement, Enhance membership-related information available to member, Ensure sustained relationships with & between members and Evolve member satisfaction.
- Increase collaboration & cooperation between Sections, Societies Chapters, Student Branches to stimulate and empower them to be more effective
- Leverage my industry experience to increase career opportunities for members through comprehensive career planning portal
- Increase young professionals networking opportunities through mentoring programs
- Enhance member experience to make IEEE the preferred professional platform

Ramakrishna's plans will promote in IEEE:

- Enhanced service/membership values
- Values in Technology/Management for Humanitarian Challenges
- Fostering eco-friendly technologies through IEEE activities
- Continuing member education/career enrichment opportunities
- Enhanced GOLD/student activities for professional development
- Women/Younger generation in IEEE activities to develop career/life management skills
- Effective plans for recruitment/retention of Students/young professionals

Personal website URL:

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IEEE HQ News and Highlights

Call for Grant Applications

IEEE Foundation Grants (Deadline 24 July)

IEEE Foundation grants are made possible thanks to our donors who generously give to the three grant making funds of the IEEE Foundation; the IEEE Foundation General Fund, the IEEE Humanitarian Technology Fund and the IEEE Life Members Fund.

The IEEE Foundation awards grants to IEEE units and other charitable organizations for innovative projects that further the scientific and educational purposes of IEEE. To be considered for grant funding, your project should have a clearly defined objective and provide support in the focus areas of education, history of technology and applying technology for humanitarian causes.

Education: The IEEE Foundation supports projects that expand and enhance engineering, science and technology education opportunities for teenagers through mid-career professionals to positively impact workforce development and involvement in IEEE.

History of Technology: The IEEE Foundation supports projects that increase awareness among the general public of the impact and influence of early technology on the present and future.

Applying Technology for Humanitarian Causes: The IEEE Foundation supports projects that implement or disseminate replicable, sustainable, technology-based solutions for humanitarian issues in underserved and underprivileged areas.

The IEEE Foundation reviews grant applications in two cycles per year. Submissions are accepted until 11:59 p.m. Eastern Time on the deadline dates. **The next 2012 grant application deadline is 24 July 2012.**

If your Unit, Section or Chapter has an innovative project in the areas of interest mentioned above, you are welcome to apply for a grant through the IEEE Foundation Web page. Prior to submitting an application, please review the IEEE Foundation's grant guidelines. All the information you need about applying for a grant can be found at <http://www.ieeefoundation.org/>.

Karen Kaufman (k.m.kaufman@ieee.org)
IEEE Foundation (Ph: +1 732 981 3436)

Call for nominations

IEEE Medals and Recognitions (Deadline 1 July 2012)

Nominations are due 1 July 2012 for the 2013 IEEE Medals and Recognitions. IEEE Medals are the highest recognition within the IEEE awards hierarchy, with the prestigious [IEEE Medal of Honor](#) as the premier award. IEEE Medals embrace broad and significant contributions within the technical fields of interest of IEEE.

IEEE Recognitions reward member's individual contributions to IEEE, published papers, and corporate advancements within the IEEE fields of interest. Recipients are recognized at the formal [IEEE Honors Ceremony](#). All IEEE members are encouraged to submit a nomination for a worthy candidate within their technical fields.

For more information, visit the [IEEE Awards Web page](#) or e-mail (awards@ieee.org) IEEE Awards staff.

IEEE Individual Benefits and Services Committee (IB&SC) Meeting, 30-31 March, 2012.

"The Individual Benefits and Services Committee (IB&SC) is responsible for formulating and recommending programs for individual member benefits and services to the MA Board, and for monitoring, coordinating and advising on such programs. Additionally, the Committee shall review and coordinate recommended non-technical member benefit programs developed and submitted by organizational units of the IEEE." Mission statement of IB&SC.

I attended the IB&SC meeting at Orlando as the Region 10 representative. Membership of the committee is well represented from most regions: Joe Lillie (Chair, R5); Regional representatives – Raed Abdullah (R7), Ali El Mousa (R8), Ricardo Veiga (R9), Lance Fung (R10); GOLD representative, Pablo Herrero (R5); Murty Polavarapu (IEEE USA Rep), and MGA Representatives – Mark Karol (R1) and Michael Andres (R6). The committee is supported by the very capable Ms Lynn Koblin, Sponsored Discounts and Insurance Program Manager, and Lynn also serves as the IB&SC Secretary. During the meeting, Thomas Lynch (Senior Director of Financial Services Department) and Mark David (Manager of Member Products) also reported on a number of topics. The two days meeting was both productive and informative. The agenda covered the ongoing Roadmap for Discounts, and the accomplishments in 2011 and continuity to address the visibility of benefits in 2012; update and highlight of member insurance and discounts participation; member segmentation survey and a new global insurance product. The meeting closed with reports from representatives and a round table discussion on the review of utilization of benefits in each country.

While most benefits appear to be North American-centric, it is explained that companies need to consider the economy of scale in the offer of the benefits. Nevertheless, IB&SC is working towards the engagement of a global insurance scheme that should be of interest to transnational workers. Other benefits and services are also in the pipeline. Sections are also encouraged to survey and communicate members' interests in certain types of benefits for IB&SC review and recommendation to the MGA Board. Next IB&SC meeting will be held in late October.



Useful Links:

Membership & Services:

http://www.ieee.org/membership_services/index.html

Member Discounts:

http://www.ieee.org/membership_services/membership/discounts/index.html

Region 10 IBSC:

<http://www.ewh.ieee.org/reg/10/IBSC/IBSCMain.html>

Lance Fung, R10 Representative IBSC

IEEE Privacy Policy Compliance

As a result of emerging laws governing disclosure of privacy-related practices, IEEE is required to take steps to insure compliance, especially with regard to web presence.

If your organizational unit has a Web site, you are required to include a link to the newly revised [IEEE privacy policy: Privacy & Opting Out of Cookies](#). This update should have been made before 26 May. If your OU Web site has not been already updated, please do it as soon as possible.

This policy explains how visitor information is used and addresses new laws regarding tracking cookie disclosure. If your cookie usage is highly intrusive, additional requirements may apply. For questions or additional information, e-mail IEEE Data Privacy Officer, Anita Ricketts (a.ricketts@ieee.org).

IEEE Asia Pacific Regional Headquarters (Singapore)

Staff Announcement

Michael Klemm has recently joined IEEE on 16 April 2012 in the position of Product Manager for Continuing Education - Asia Pacific. Michael will be working out of our IEEE Regional Asia Pacific headquarters located in Singapore reporting to EAD Managing Director Doug Gorham and EAD Director for Continuing Education Steve Welch.



Michael has experience in business development, product development and overall operations and is tasked to lead the expansion of IEEE in Asia-Pacific for a larger footprint in continuing education and training.

He was working with NTUC LearningHub, the training-arm of the NTUC-Group and Singapore's largest training provider. For the past 2 years, Michael was Country Head - India operations for NTUC LearningHub and he was responsible for a training portfolio that includes soft skills training and vocational and professional training courses for a variety of industries. Before, Michael worked for the International Labour Organization and World Vision International in Indonesia and Sri Lanka.

Michael earned a Bachelors degree in Law from Humboldt-University of Berlin and a Masters degree in Law from the National University of Singapore. Has also has an Advanced Certificate in Training and Assessment.

Michael Klemm (klemm.m@ieee.org)
Product Manager- Continuing Education
Educational Activities

Please send your news items and articles to the R10 Newsletter Editor by email:

r10-ecn@ieee.org

Please send photographs in JPEG format in separate files

The R10 Newsletter schedule for 2012

<u>Publication Date</u>	<u>Deadline for submissions</u>
September 2012	17 August 2012
December 2012	16 Nov 2012

New IEEE Business Platform Launched Successfully

The IEEE business platform (IBP) was launched successfully and ahead of schedule on Saturday, 31 March. [IEEE Xplore 4.0](#) was also released as planned. The platform includes significant improvements to the member and customer user experience.

Now that the new e-commerce system is live, one of the most visible changes is a requirement for members and customers to change their IEEE Account username to a preferred e-mail address the first time they sign in to one of the upgraded sites such as Membership, IEEE Xplore, My Account, and Cart. After they have changed their username to their preferred e-mail address, they will use their e-mail address when signing in to other IEEE services. This will apply to all members and non-member customers, but does not affect institutional access to IEEE Xplore.

If you need assistance using the new site, [visit the IEEE Support Center](#), where you can view the most popular FAQs, submit a question, or conduct a Live Chat, 24/5, Sunday 4:30 p.m. through Friday 4:30 p.m. ET-USA.

You can also [e-mail an IEEE Contact Center service professional](#) or telephone at +1 732 981 0060 (Worldwide).

2012 IEEE Annual Election

Key dates

30 June

Ballots will be created for all eligible voting members on record.

15 August

Ballots will be mailed to all eligible voting members on record as of 30 June.
Ballots can be accessed electronically.

1 October at 12:00 noon Central Time USA (17:00 UTC)

Balloting period ends.

5 October

IEEE Tellers Committee meets to certify the annual election results.
Unofficial results will become available.

11-12 November

IEEE Board of Directors acts to accept the annual election results.
Annual election results become official.

Your Vote is Important

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Your vote is important to the IEEE and for your Region. Remember that eligible members also include postgraduate students. Ballot packages will be mail to and electronic ballot access created for all IEEE members eligible to vote on the date given above. To ensure your ballot package is delivered to the proper mailing address, please update your member profile if necessary by logging into your IEEE account.

IEEE R10 Councils & Sections News and Highlights

IEEE ComSoc Karachi Chapter, Pakistan World Telecommunication and Information Society Day

Mehran University of Engineering & Technology (MUET), Pakistan in collaboration with IEEE Communications Society (ComSoc) Karachi Chapter organized World Telecommunication and Information Society Day (WTISD). Speaking on the occasion, Prof. Dr. B. S. Chowdhry, Chair of the ComSoc Karachi chapter and Dean Faculty of Electrical, Electronics and Computer Engineering at MUET told that International Telecommunication Union (ITU) has set the purpose of WTISD to help raise awareness of the possibilities that the use of the Internet and other information and communication technologies (ICT) can bring to societies and economies, as well as of ways to bridge the digital divide. He said that the theme of this year is set as "Women and Girls in ICT". He informed that 17th May marks the anniversary of the signing of the first International Telegraph Convention and the creation of the ITU.

Quoting the message of Dr. Hamadoun I. Touré, ITU Secretary-General, Vice Chancellor of MUET Prof. Dr. A. Q. K. Rajput informed that ICT plays a catalytic role in creating opportunities for people in every walk of life, especially for those among us who are vulnerable and disadvantaged, while providing the framework for long-term sustainable development. He said MUET has become a regional hub in ICT imparting undergraduate and postgraduate program in many areas of ICT. He further said, "it is high time that we pay particular attention to the special needs of women and girls, extending to them the benefits of ICTs so as to create a paradigm shift in opportunities offered now and in the future".

Madam Kulsoom Chandio, Member Provincial Assembly of Sindh and Chief Guest for the occasion expressed her contentment that MUET was celebrating World Telecom Day in unison with the ITU. She further said, "I must say that women are the foundation of our societies. They are the pillars of strength in every family and community. Women

and girls are denied access to basic health care and education and to equal opportunities at work. This government has taken lot of efforts to avoid discrimination of women in economic, political and social decision".

Prof. Dr. Aftab A. Memon, Chairman of Department of Telecommunication Engineering in his speech highlighted the importance of Telecommunication engineering in knowledge based society. He also introduced the keynote speaker Dr. Faisal K. Shaikh who has recently returned from Germany to deliver a talk on "Internet of Smart Things".

Dr. Shaikh highlighted the tremendous growth of Internet giving life to many applications and services which were not possible some time back. He said, "with the existence of new technologies a huge amount of information is generated by non living things leading to the idea of "Internet of Smart Things (IoST)".

"The key enablers for IoST", he continued, "are web technologies, RFID and wireless sensor networks, which provide pervasive and ubiquitous environment for network of objects".

Prof. Dr. M. A. Uqaili, Pro Vice Chancellor in his concluding remarks apprised about the ICT sector that can pave the way by providing avenues of advancement to professional women at the highest echelons of decision making and by encouraging young women to seek new careers within the sector.

On this occasion, certificates and shields were also distributed to girl students who received scholarship under US Fulbright and European Commission's Erasmus Mundus program.

Professor BS Chowdhry
Chair, IEEE COMSOC Karachi Chapter, Pakistan



Dr. Faisal K. Shaikh delivering the keynote address.



From left: Prof. Dr. Aftab A. Memon, Prof. Dr. M. A. Uqaili, Madam Kulsoom Chandio, Prof. Dr. A. Q. K. Rajput, Prof. Dr. B. S. Chowdhry

IEEE Victorian Section

Progress on IEEE Conference on Technology and Society in Asia

Interest is pouring in for a conference to be held in Singapore 27-29 October, IEEE Conference on Technology and Society in Asia 2012. Partly this is due to the impressive array of speakers:

- NR Narayana Murthy, Chairman Emeritus, Infosys Ltd, India
- Professor Kenkichi Hirose, Tokai Institute of Global Education and Research, and Special Advisor to the Cabinet Office on the Fukushima nuclear accident,
- Michael Gurstein, Centre for Community Informatics Research, Development and Training (CCIRDT), Vancouver, Canada.

IEEE Singapore has located a great location for the event, the Singapore Polytechnic Graduate Guild, and is taking the lead in the local organisation. IEEE Victorian Section has been a key supporter. And the IEEE Society on Social Implications of Technology has promoted the conference through its magazine, Technology & Society, and its global membership. Technical co-sponsors IEEE India Council, IEEE China Council, SSIT Japan and SSIT Australia are also working hard to make the conference a success.

The topics that will be discussed include:

- Technology and development
- Engineering education
- Information and engineering ethics
- Engineers and social responsibility
- Technology, waste and the environment
- Technology, climate change and disaster response
- History of technology.

The conference will have academic and industry papers and panels, as well as posters. A Doctorial Consortium will be held on the afternoon of 27 October prior to the conference opening.

Full papers are due 30 June, with referee responses by 15 July and camera-ready versions due 30 July. Full details can be found at: <http://www.TechnologyandSocietyinAsia.org>.

Dr Greg Adamson
Chair, IEEE Victorian Section

Vote & You Can Get Money for Your Section

The Region 10 will offer bonuses again in 2012, namely \$500, \$300 and \$200 to Sections with the highest voting percentage in the IEEE Elections 2011.

IEEE Thailand Section

Visit by Prof. Moshe Kam

On March 1, 2002, Dr. Moshe Kam, IEEE Board of Directors and 2011 President and CEO had a meeting with executive members of IEEE Thailand Section in Bangkok. Dr. Kam presented recent activities of the IEEE Board of Directors and major boards and then reviewed educational programs and opportunities of potential interest to the Thailand Section such as Engineering Projects in Community Service (EPCS), Teacher in-service Program (TISP), TryEngineering.org, IEEE Humanitarian activities and accreditation. Some fruitful discussions were carried out.



Prof. Kam with executive members of IEEE Thailand Section

Thavatchai Tayjasanant
Secretary, IEEE Thailand Section

IEEE NSW Section, Australia

IEEE News from Sydney Australia

A member of the NSW Section, Dr Trevor Bird, has been elected as the President of IEEE Antennas and Propagation Society for year 2013. Dr Trevor was a Distinguished



Dr Trevor Bird member of the Administrative Committee of the IEEE Antennas &

Propagation Society from 2003-2005, and Editor-in-Chief of the IEEE Transactions on Antennas & Propagation from 2004 to 2010. Currently, he is member of the Editorial Boards of IET Microwave, Antennas & Propagation and the Journal of Infrared, Millimetre and Terahertz Waves and also Chair of the Publications Committee of the IEEE Transactions on Antennas & Propagation Society. He is currently a CSIRO Postretirement Fellow and Principal of Antengenuity, a specialist consulting firm, an Adjunct Professor at Macquarie University and a Guest Professor of Shanghai Jiao Tong University.

Another member of the NSW Section, Professor Karu Esselle, was awarded prestigious 2011 IEEE Outstanding Branch Counselor Award from the IEEE Headquarters. This award is given to approximately ten outstanding counselors and advisors around the world, usually only one for each

IEEE Region. Winners will be those individuals who, through their work as counselors and advisors, exemplify the Institute's commitment to the educational, personal, professional, and technical development of students in IEEE related fields of interest. Prof. Esselle's continuous contributions and dedication to IEEE as Branch Counselor of the IEEE Student Branch at Macquarie University led this Student Branch to win the second prize in the IEEE R10 Exemplary Student Branch competition in 2011. With his great efforts and motivation, the IEEE AP/MTT joint Chapter reported 30 major activities in 2010 and 11 activities in 2011. Prof. Esselle is the Director of the Centre for Electromagnetic and Antenna Engineering (CELANE), and the Deputy Director of the Research Centre on Microwave and Wireless Applications (CMWA), which has been recently expanded after Wireless Communication, has been recognised by the University as a Concentration of Research Excellence (CoRE). Prof. Esselle's other recent awards include the 2009 Vice Chancellor's Award for Excellence in Higher Degree Research Supervision (the very first such award ever offered in Macquarie University) and Macquarie University 2004 (Inaugural) Innovation Award for best invention disclose.



Prof. Karu Esselle

Yogesh Ranga, PhD
Secretary, IEEE NSW AP/MTT Chapter, Chair, IEEE NSW GOLD

IEEE Madras Section

Faculty Development Programme

The IEEE Madras Section in association with Dept. of Electronics and Communication Engineering, V.M.K.V. Engineering College, Salem organized the 21st Faculty Development Programme (FDP) on the topic "A Complementary Essentials of MATLAB & LABVIEW –

Theory and Practice" on 9th and 10th May 2012. The programme was attended by 35 faculty members of colleges and universities from all over Tamilnadu, India.

At the inaugural session, Mr. G. Narendra, Asst. General Manager, Research Publications, ICT Academy of Tamilnadu, Chennai delivered the special address. He was also a resource person along with Mr. Anand B. Desh Pande, Senior Software R&D Engineer, Tech Mahindra, Bangalore, Mr. J. Visweswaran, Academic Consultant, National Instruments, Bangalore and Dr. J. Sethuraman, Dean Innovation & Extension, V.M.K.V. Engineering College, Salem. The topics covered included an introduction to Matlab and Labview, desktop layout, basic arithmetic operations in command window, matrix algebra, curve plotting, common functions and properties, 2D and 3D plots, Laplace transform and Fourier transform with applications. The participants were also given hands-on training in Matlab and Labview basic commands. Mr. Anand B. Desh Pande delivered the valedictory address and distributed the certificates to the participants. The program received an excellent feedback from all the participants. The FDP provided an excellent opportunity to listen to the experts and also to discuss basics and advanced topics with hands-on training using Matlab and Labview. The coordinators of the program were Dr. N. Kumarappan, Professor, Annamalai University and IEEE Madras Section Educational Activity Chair and Dr. A. Nagappan, Principal, V.M.K.V. Engineering College, Salem and Excom Member IEEE Madras Section.

For IEEE Madras Section Newsletter MASL LINK, please visit: <http://goo.gl/MJKTg>

H.R. Mohan
Editor, IEEE MAS LINK, IEEE Madras Section, India



Participants at the Faculty Development Programme

News from WIE Affinity Groups

IEEE Kerala Section (Trivandrum)

WIE Meet zraddha'12

R10 WIE Coordinator Prof. Takako Hashimoto on a visit to Kerala during from 29 Feb – 02 March was keen to learn about the activities and aspirations of WIE AG of Kerala Section. She met the volunteers at Trivandrum and at Cochin.

The WIE Meet *zraddha*'12 was organized at LBS College of Technology for Women, Poojappura, Trivandrum on 29 Feb 2012. The meeting was inaugurated by Prof. Takako Hashimoto, presided by Section Chair Mr. Satish Babu. The meeting was well attended by many senior professional members and 50 student members.

The Kerala Section WIE Chair Dr. Shanthi K J in her presentation briefed about the two activities funded by R10 namely 'Computer Awareness Course for Women' aimed at housewives and a programme for the faculty of the engineering colleges, 'Research Methodology'. The student WIE coordinator Ms. Bhavana gave an overview of the student activities undertaken during the year 2011 while highlighting the R10 sponsored events. Few student WIE Chairs also gave brief accounts of their AG activities. Prof. Takako Hashimoto was highly impressed by the WIE AG activities and dynamism of the volunteers.

A Panel discussion on 'Challenges faced by Professional Women' was held in the post lunch session to guide the young girls into their careers through the hurdles on the way. Ms. Sumangali R, Group leader Vikram Sarabai Space Centre (VSSC, Govt. of India) was the chief panelist aided by Prof. Takako and Ms. Sarada Jayakrishnan (Section Treasurer). Mr. Ranjit (Gold Chair) was the panel moderator.

Ms. Sumangali R shared her professional experiences as she climbed up to her position. The young girls listened with rapt attention as she pointed out why there are only few women on top. A list of surprises awaited the girls as she

pointed out the reasons other than the women herself for not being there on top!

Prof. Takako observed that the ratio of girls who took up engineering as their career is higher in India and she also advised the students to exploit the advantage of their fluency in English language. All the panelists equivocally expressed the view that, to excel in ones profession and to exude confidence one needs to keep abreast with technological advancements, then no one will ever impede their way to success.

WIE Meet at Cochin

The meet at Cochin on 1st March at Hotel Sea Park, was attended by 70 student participants. The participating student WIE AG in the region gave a report of their activities. Prof. Takako Hashimoto inaugurated a WIE AG at the Engineering College, RIT Kottayam. Later in the day Prof. Takako Hashimoto presented a technical talk on Disaster and Social Media - Topic Extraction for the Great Japan East Earthquake using Data Mining Technique.

Prof. Takako gave an overview of the Social Media Analysis stressing on Semantic extraction from Social Computing. She presented the case study of how the behaviour was influenced when people used social media to acquire information after the disaster – the great earthquake occurred in March 2011 in Japan. Data mining techniques in analysing the social media was discussed. She detailed how directed graphs were used to model the topic structures. The experimental results was shared along with a demo of visualisation of graph using Gephi tool.

There was a good interaction as the the audience were mostly researchers working in various Data mining techniques and there was a great interest for them to know how the data was collected and processed. Prof. K. Poullose Jacob, Director School of Computer Sciences welcomed Prof. Takakao and Dr. G.Santhosh Kumar, Asst. Professor proposed the vote of thanks.

Dr. Shanthi KJ, Chair WIE Kerala Section and Mini Ulanat, Vice-Chair WIE Kerala Section



R10 WIE Coordinator Prof. Takako Hashimoto with WIE Meet zraddhaA'12 participants

IEEE Hyderabad Section

WIECON' 12

Sri Vishnu Engineering College for Women in Collaboration with IEEE Hyderabad Section organized the Women in Engineering Congress (WIECON' 12) from 5th – 7th March 2012. The main theme of the congress was “Aptitudes, Attitudes and Altitudes: A call for change”. Dr. P. Srinivasa Raju, Vice-principal of Shri Vishnu Engineering College for Women was the General Chair of the Congress. Dr. Ramalatha Marimuthu, Dr. Takako Hashimoto and Dr. K. Pushpa acted as Organizing Chairs. Prof. Vijaya Latha, Mrs Rashmi Ambale and Prof. P. Sri Hari were program committee members.



WIECON'12 attracted participants from many states of India and two neighboring countries: Srilanka and Bangladesh. 607 participants from various corners of our country cherished the event. In detail, 31 participants from Tamilnadu, 11 from Delhi, 6 from Punjab, 23 from Kerala, 15 from Karnataka, 160 from Andhra Pradesh and 358 participants from Shri Vishnu Educational Society. These 607 participants represented 87 affiliated engineering colleges.

At the congress, 17 experts with varied technical backgrounds gave presentations and participated in two panel discussions out of which one was on the main theme of WIECON'12. The experts were from India, Japan, Singapore, Bangladesh and America. These delegates included Dr. Lawrence Wong, IEEE R10 Director, Dr. Ramalatha Marimuthu, WIE International Chair, Dr. Takako Hashimoto, IEEE R10 WIE Coordinator, Dr. Atul Negi-Chair IEEE Hyderabad Section, Dr. V. R. Singh, IEEE India Council, Delhi, Mrs Keyana Tennant, Program Manager, IEEE WIE, Sri MGPL Narayana, Chair (2010-2011) IEEE Hyderabad Section, Prof. Y. Vijaya Latha, Chair IEEE WIE, Hyderabad Section, Mr. Rayees Amar Nishad, South Asia Gold Coordinator, Dr. Deepa Shenoy, Chair IEEE WIE

Bangalore Section, Dr. Shanti, Chair IEEE WIE, Kerala Section, Prof P. Sri Hari, Students Activities Chair, Vizag Bay Subsection, Mr. Ravi Babu , University of Hyderabad, Dr. Swarna Bai Arnikar, Scientist at RCI, Hyderabad and Mrs. Rashmi Ambale, Secretary IEEE WIE, Hyderabad Section.

The talks covered technical related issues and the advantages and opportunities as IEEE WIE member. The talks really impressed the audience and it is hoped this kind of awareness will certainly increase their career possibilities. In a video talk, Dr. Howard Michael-2012 IEEE Vice-President greeted Shri Vishnu Engineering College for Women and talked about the possible opportunities with IEEE WIE membership.

Moreover, two panel discussions, five major events in post presentation, painting, Paper-cut Art competition, short-film making contest and one minute games were conducted and prizes were bagged by the participants. Each event was named with a special theme. Feedback analysis was done on 342 participants and it reveals that 95% participants were satisfied with WIECON'12 in all aspects.



Through WIECON'12, WIE members in R10 could build strong network and strengthen their bonds. We believe this will help to encourage women with aptitude and right attitude to take the society towards the highest altitudes.

Dr. K. Pushpa
Professor, ECE Dept, Head of Assistive Tech Lab,
Shri Vishnu Engineering College for Women,
Bhimavaram, India



INAUGURATION OF IEEE WIE AG

The inaugural function of IEEE WIE AG was held on Friday the 2nd March 2012 at Rajiv Gandhi auditorium, Park College of Engineering and Technology, co-ordinated by Mr. P. Chandrasekar (Asst.Prof., EEE) and Mrs. G. Vetriselvi (Asst. Prof., ECE). The function started with a welcome address followed by the presidential address given by Dr. G. Mohan Kumar, College Principal regarding the empowerment of women in the technical field. Next guest of honour Dr. Ramalatha Marimuthu, Chair Global IEEE WIE Committee, gave a brief speech regarding the group functioning based on the social activities to improve the society by the engineering students, quoting few remarkable incidences like “providing electricity to a tribal village with the help of college students, adopting the entire village, providing training and business opportunities on self employment on various fields, students to help the special children” and many other events.

Chief guest Dr. R. Joseph Xavier, Principal, SRIT, added value to the meetin by explaining the role of women in modern society and their importance in engineering field. The executive officer Mr.T. Nithyanandam spoke regarding the power of women. Finally, the IEEE report was presented by the IEEE Co-ordinator Mr. P. Chandrasekar. Apart from the dignitaries, Dr. Suresh Gnanadhas, Dean of ECE and Mrs. K. Muthulakshmi, HOD of ECE were also present.



The function enlightened with a clear vision of IEEE Women In Engineering prevailing the fact that it is not just for women but for both men and women to empower the society with the students as backbone.

**V. Subash, Student
Chair, IEEE Park Student Branch, Coimbatore, India**

**IEEE Student Branch of Kongu Engineering College,
Perundurai, India**

STAR PROGRAM

The WIE IEEE Student Branch of Kongu Engineering College (KEC), Perundurai conducted the third Student Teacher Awareness (STAR) program on 3rd March 2012. The STAR program was conducted by bringing 50 students of standard 10th from Government High School, Edaiyankattu Valasu, Erode to our college and giving them awareness about various engineering fields and their applications in day to day life. The program started with an introductory speech by our Branch Coordinator, Prof. K. Narayanan Chief Coordinator, Industry-Institute Partnership Cell, Professor, Department of EEE. Followed by his speech various activities were conducted for the students like News Paper reading to improve their communication skill, a small technical quiz as a feast of their knowledge and many more

technical activities were conducted. A lecture was given to them by Ms. V. R. Saraswathy, Staff Coordinator of IEEE Student Branch of Kongu Engineering College. The lecture was mainly based on various educational streams. The students were made aware about their future and the courses of study that they could choose after their school education. Awareness was provided about various branches of engineering and other higher educational courses. Videos and presentations were displayed to kindle their interest in engineering and the benefits of being an engineer. In the afternoon session the students were taken around the campus to visit various departments. In each department a faculty of the concerned department gave a brief explanation about the department and the engineering applications. Students were also taken to visit the Kongu Community Service Radio Station. Finally prizes and certificates were given to the winners of various events of the day. Feedback from the students had been collected. The students left the college enriched with knowledge in the engineering fields.



Students of Government High School, Edaiyankattu Valasu at an interactive session in the lab.



Students visiting the local Radio Station

**A.Manibharathi, Secretary IEEE-KEC,
Kongu Engineering College, Perundurai, India**

Clarification

The article 'A Sojourn Through Colossus'12' published in March 2012 issue of R10 newsletter was reported by Richa Sharma, Chair, IEEE ASET. Richa Sharma has informed that the article was written by Vedika Pandey, Publications Team, IEEE ASET, New Delhi, India.

Dr. N. G. P. Institute of Technology, India

Women's Day Celebrations At DR. N.G.P.I.T.

Dr. NGPIT IEEE and WIE AG of Dr.N.G.P. Institute of Technology celebrated International Women's Day on March 8th 2012 with great pomp and splendor. The guests of honor were four women legends who had redefined womanhood and had reset boundaries in their respective fields with their dedication and hard work. They were Tmt. Hema Karunakaran, Deputy Commissioner of Police, Law and Order, Coimbatore, Smt. N. V. Sreejaya, Advocate, India Solicitor, England & Wales, Smt. J. Mohanasundari, Managing Director, Sharp Electrodes Private Ltd and Kay Jay Sharp Trendys and our honorable secretary madam, Dr. Thavamani D. Palaniswami. Dr. S. Dhandapani Principal, DrNGPIT, Dr.K.Porkumaran,Vice-principal & IEEE Student Branch counselor also joined the celebration of womanhood. The theme of the day was "Connecting Girls and Inspiring Future". Ms. V. Priyadarshini, Assistant Professor ECE Dept and WIE Coordinator welcomed the gathering.

Tmt. Hema Karunakaran highlighted the key issues and hurdles faced by women especially young college going teens. She stressed on the importance of women being alert every time, to safe guard themselves from any miserable situations. She insisted the women to shape themselves with remarkable traits. She also stated that engineering graduates have wide opportunities in civil services besides information technology. Our Honorable Chief Minister is persistent in immediate actions against women abuse cases through Women Police Station all over Tamil Nadu. She commented that women have marvelous power which utilized in right way leads to tremendous empowerment. She advised the girls to be proper in dress code & to obey traffic rule while driving.

This was followed by another encouraging and empowering speech by Smt. Sreejaya, Advocate. She informed the

audience on the various issues and crimes against women with instances she has come across in her career. She inspired the girls to be strong and to understand that change comes from within. She added that shying away from things will never bring the empowerment that we dream of. She also briefed the girls about work etiquettes and how to maintain a dignified stance in the workplace. She addressed on sexual harassment and the measures to prevent women from such immorality.

Smt. Mohanasundari, Managing Director, Sharp industries and Kay Jay Sharp Industries, a homely woman narrated that she was born and brought up at Kalappatti, had managed to become a successful entrepreneur and is currently the MD of two independent companies. She took a different path from the other speakers and persuaded that a woman is the union of three qualities, namely Desire, Power and Knowledge. These three have to be balanced for empowering women. She taught the entire audience a prayer of self enlightenment. She stressed on the fact that a women works not just for herself but for the entire society and that's what makes ordinary women into great women.

Finally Dr. Thavamani D. Palaniswami, the secretary captured the attention of the audience by stating that women are often subjected to stress. She added that little stress will trigger our mind to success than always being in comfort zone. But when the stress exceeds it causes ill effects to mind and health. Girls should renovate the stress into challenges and succeed in her family and career, especially teens should be aware of the adverse effects of bad companions, early relationships etc. She also encouraged that the celebrations should not end up with mere showcase but it has to ideally empower women.

The event was finally concluded by a vote of thanks by Ms. Pradeepa, Assistant Professor, EEE Department and WIE Staff coordinator. The IEEE staff coordinators Mr. Karthik, Mr. Krishnaprabu, WIE coordinators, Ms. Thillai Rani, Ms. Santhi, Ms. Nagalakshmi and the student coordinators of IEEE and WIE, Directors, HoDs of various departments, faculty members and more than thousand students attended in the celebration of womanhood and got enlightened.

Dr. K. Porkumaran

Vice Principal and IEEE –Dr. NGPIT SB Counselor



Invited guest speakers and organisers of Women's Day Celebration

IEEE R10 Student Branches News and Highlights

La Trobe University IEEE Student Branch

Industrial strength Altium Designer Tutorial

A full house of 24 attendees (five from industry and 19 from across four universities) greeted the presenter Arun Borgio, an expert in developing state of the art microelectronic solutions for the first tutorial of a pilot program organized for 2012 by IEEE La Trobe University Student Branch and Engineering Society of LaTrobe University (ESOLU).

The tutorial titled "Altium Designer for Beginners", allowed first time users of Altium (summer 09) - an EDA software package the industry standard for printed circuit board, FPGA and embedded software design - to design a basic electronic circuit, Oscillator and Comparator from the schematic to PCB layout stage.

The cost, FREE for IEEE student members and \$10 for IEEE non student members represented exceptional value for a tutorial that comprised comprehensive, course notes and two very experienced Altium users who cruised the room overseeing everyone's progress. Arun (see photo), gave an initial explanation of the software and some useful tips and tricks to keep in mind especially when it came to doing the layout part.

My reason for attending was even though I use Altium, I had no experience in the layout part of the program. I still found the design part of the tutorial valuable, as upon enquiring about the usefulness of the schematic inspector, navigator and storage manager, I received answers I could have only got had I attended an Altium run 3 day seminar, which was way out of my price range. Also the tutorial had an industry friendly start time of 5pm.



Arun Borgio addressing the attendees before working on our first project using Altium Designer

Note well, this tutorial and all future ones are all about helping students get the most from their degrees and better preparing them for the work force. Those who couldn't finish the project in under the allotted three hours were able to arrange with Arun a time to come back to the classroom to finish off their work. If this program is only at the pilot stage I can't wait to see what the actual one looks like. *Five stars from me!*

Peter Barrett

Latrobe University IEEE Student Branch, Australia

IBM and IEEE in Search of Creative Student Team

IBM and IEEE are in search of creative team based student projects that can help students at any level learn about applying engineering, science and other disciplines to solve real world problems. It's a great opportunity to put your engineering skills to use...and earn cash prizes too!

The competition is open to college/university students from all geographic locations. Student teams should have three to five members in any year of university study. At least one team member must be an IEEE member. Submission Deadline is **1 November 2012**.

To find out more about this exciting opportunity, visit: www.ieee.org/go/smarter_planet_challenge

or email smartplanetchallenge@ieee.org.

IEEE Student Branch of University of Colombo

Tech Talk Series

IEEE Student Branch of University of Colombo School of Computing (UCSC) in collaboration with the IEEE Graduate Of Last Decade (GOLD) Affinity Group of Sri Lanka organized a Student Transition & Elevation Partnership (STEP) event on computational technology on 26th May 2012 in UCSC premises. Mr. Balakrishna Sharma, Chair IEEE GOLD Affinity Group of Sri Lanka with a group of GOLD members participated in the event.



Dr. Ruvan Weerasinghe presenting his lecture

The session started with the welcome speech by Mr. Balakrishnan Sharma. The first lecture of the session was conducted by Dr. Ruvan Weerasinghe, former Director and a Senior Lecturer at UCSC. The lecture was conducted on how great innovations take place as solutions for simple problems. The main point he emphasized throughout his session was how people who think differently on day today facts can come up with great solutions.

Next lecture was conducted by Mr. Kasun Chathuranga, Vice Chair of IEEE GOLD AG of Sri Lanka. Along with his experience of working as a network security engineer. He shared his knowledge on network security with IEEE student members and made them aware of the areas of Computer Science and Information Technology for career prospect. It was a great opportunity for undergraduates who have participated the session for being aware of the different areas of professions in which they can develop in the future according to their preferences.

Chair of IEEE GOLD Sri Lanka addressed the gathering and made the participants aware of the IEEE GOLD program. Being aware of IEEE GOLD activities was an important opportunity gained by the session as there were number of student members who are about to passed out from the university. The benefits the IEEE members offers, both as GOLD and student memberships, were discussed during the session and leaflets on IEEE were also delivered for further information.

Last session of the day was delivered by Ms. Sajini Jayawardane representing 99x Technologies, one of the leading IT Company in Sri Lanka. The session was an interactive session and Ms. Sajini discussed with the student members about their ambitions and how their university career is flowing. She drew the attention towards what the industry expects from their employees nowadays and how to be a fresh graduate who can stand on his own ground and create a demand himself in industry without being a fellow who gets lost in competition of current job market.

Opportunity of interacting with IEEE members who have gained industry experience and who are aware of the status of modern technology was a valuable chance. Nowadays a major issue that the undergraduates of the country face is that they are not aware of the industry which they are supposed to cope after the graduation. Members of IEEE are privileged to achieve that opportunity to the maximum and this Tech talk session proved an example for that.

The session was concluded by vote of thanks delivered by Mr. Oshan Siriwardana, Chair of Computer Society of University of Colombo.

Dr. Maheshi Dissanayake
Lecturer, Department of Electrical and Electronic Engineering, University of Peradeniya, Sri Lanka.

IEEE SB Motilal Nehru National Institute of Technology Allahabad, India

2012 Students Conference on Engineering and Systems

The IEEE Student Branch at Motilal Nehru National Institute of Technology (MNNIT) Allahabad completed its first year and on this occasion the Student Branch organized a conference to motivate student scholars who are working in the area of Engineering and Systems. The conference titled "2012 Students Conference on Engineering and Systems (SCES 2012)" scheduled from March 16-18, 2012 at MNNIT Allahabad, Uttar Pradesh, India, provided a platform for research students to present their original work.



Participants of 2012 Students Conference on Engineering and Systems

The conference was Co-sponsored by IEEE Joint Societies Chapter of IE/PEL/CS and technically sponsored by IEEE Uttar Pradesh Section. The theme of the conference was Inspiring Engineering and Systems for Sustainable Development. The conference struck the precise note on all fronts with an astounding gathering given credence by the gracious presence of eminent personalities.

A total of 330 papers were received from different countries under the technical tracks: Electrical and Power, Electronics and Communication, Computing Technology and Intelligent Systems, Mechanical Systems and Mechatronics, and Applied Sciences.

After review and acceptance, a total of 127 papers were registered in the ORAL session and 59 papers in the DIALOGUE session of the conference. Total 164 papers (about 90 % of the registered papers) were presented in 26 technical sessions. The conference acquired LOA from IEEE, USA for uploading papers on IEEE Xplore, with the IEEE Conference Record # 20125 and has also been listed in the IEEE conference search.



Mr. Hirdesh Kulshrestha delivering the inaugural talk

The 3-day conference was inaugurated by Mr. Hirdesh Kulshrestha, Unit Managing Director, ALSTOM INDIA at Naini, with an inaugural talk on the topic "ALSTOM's Presence in T&D Sector". Prof. P. Chakrabarti, Director MNNIT Allahabad delivered the plenary talk of the conference on the theme "New Avenues Leading to Next Generation Electronics". He addressed the conference participants for their distinctive quest to keep up to date with the cutting edge technology. Mr. Paulson Samuel, delivered the welcome address and Prof. Vineeta Agrawal,

presented the technical report of the conference.

Prof. R. Rahiya from CMM, Italy delivered first keynote speech of the conference on the topic, "Multifunctional Bendable Electronic Systems". The other prominent keynote speakers who addressed the participants were Prof. Kalyanmay Deb, IIT Kanpur, on the topic "Evolution's Niche in Multi-Criterion Problem Solving", Prof. A.R. Harish, IIT Kanpur, on the topic "RFID (Radio Frequency Identification): Principles and Applications", Prof. R. K. Singh, MNNIT, on the topic "Distributed Generation", Prof. R. Tripathi, MNNIT, on the topic "Unanswered MAC layer and routing issues of vehicular AD-hoc Networks", Prof. S. N. Singh, IIT Kanpur, on the topic "Estimation of Grid Harmonics in the Presence of Renewable Energy Sources", and Prof. S. Jit, IT BHU Varanasi, on the topic, "Advances in MOSFET Technology: An Overview".

Two tutorial by industry were also presented at the Conference. The first one was by Mr. Sabarinath Srinivasan, from Texas Instruments India University Program, Cranes Software International Limited, on the topic, "Low Power Embedded Systems and its Applications" and the second one was by Mr. Talanki Shobanbabu and Mr. Ravi Agarwal, from, Nokia Ltd., India, on the topic "Big data, Challenges, Solution and its usage in Nokia".

Total 8 papers were honored with the Best Paper Award. Amongst these, 4 papers were under UG category and 4 under PG category. The winning students belong to IIT Kanpur, IGIT Delhi, DTU Delhi, NIT Calicut, NIT Rourkela, NIT Hamirpur and BHU Varanasi. Prof. R. K. Tripathi coordinated the concluding and award sessions of the conference.

The rollicking success of SCES 2012 has reinforced the status of MNNIT Allahabad as a center of academic excellence.

IEEE SB MNNIT Website:

<https://sites.google.com/site/ieeemnnitstudentchapter/home>

SCES 2012 conference Website:

<http://www.mnnit.ac.in/sces2012/>

Dr. Rajesh Gupta, Organizing Chair SCES 2012, Counselor IEEE SB, and Joint Secretary IEEE Uttar Pradesh Section

MUET & IEEE ComSoc Chapter, Pakistan

TechCombat-Technology Battle 2012

On the completion of a decade since its establishment, the Department of Telecommunication Engineering, Mehran University of Engineering and Technology (MUET), Jamshoro in collaboration with IEEE COMSOC Chapter organized a national level event "TechCombat-Technology Battle 2012, on 7th April 2012. Through this event the unchartered talent and skills of the engineering students were explored. Main highlights of the single day event were:

1. Networking Competition (NetCom)
2. Matlab Code Competition (Matcod)
3. Innovative Idea Competition
4. Industry Junction
5. Telecom Alumni reunion
6. Inauguration of Telecom department Logo.

Around fifty teams of students from various universities of Pakistan, participated in the competitions whereas

professionals from leading organizations such as PTCL, SUPARCO, Shaan Foods, Combit, Ufone, Wateen, Al-Futaim, Mobilink, & Telenor also participated in the event called "Industry Junction". The delegates from industry spoke on various topics such as: manufacturing processes, space technology, career planning, tapping scholarships, and cloud computing. The invited speakers from NUST Islamabad spoke about embedded systems and shared the experiences while being a Fulbright scholar at USA.

The Chief Guest of the event, Engr. Abdul Rahim Shaikh, Regional General Manager, PTCL appreciated the efforts of Telecom department for organizing such an event that would help reduce the industry-academia gap. He announced discounted rates on EVO connections for MUET, Jamshoro. Prof. Dr. A. Q. K. Rajput, Vice Chancellor, MUET, Jamshoro highlighted the achievements, the qualified faculty and the quality laboratories of Telecommunication department. Prof. Dr. Aslam Uqaili, Pro-Vice Chancellor, MUET, Jamshoro welcomed the delegates of the industry and emphasized the importance of industry academia collaboration. Prof. Dr. Bhawani Shankar Chowdhry, Dean, FEECE and Chief organizer of the event lauded the efforts of faculty members of Telecom department for making this program successful. Prof. Dr. Aftab A. Memon, Chairman Department of Telecom Engineering, and main organizer thanked the chief guest, industry professionals, the faculty members and the participants for making the event memorable. He also thanked Pakistan Science Foundation and Shaan Foods for sponsoring the event.

A winner Shield, certificates and a cash prize of Rs. 8000 were given to the winner teams of each competition, whereas Rs. 4000 cash, runner up shield and certificates were given to runner up team of each competition. The event was largely attended by students, telecom professionals, Industry professionals and faculty members.



Distinguished guests and officials of TechCombat-Technology Battle' 2012

Professor BS Chowdhry

Chair, IEEE COMSOC Karachi Chapter, Pakistan

IEEE RUET Student Branch, Bangladesh

Muspana Microcontroller Based Electronic Project Competition

IEEE RUET Student Branch and Dept. of Department of Electronic & Telecommunication Engineering (ETE) jointly organized "muspana Microcontroller Based Electronic project competition" on Thursday 12th April 2012 at CSE seminar room of Rajshahi University of Engineering & Technology (RUET). Students from eleven universities of

Bangladesh including RUET participated in the project competition.

The project competition was divided into two parts. Prof. Dr. MD. Rafiqul Islam Sheikh, Head of EEE Department presided over the opening ceremony and later inaugurated the projects display. Dr. S. M. Abdur Razzak, Advisor to the Student Branch was also present on the occasion. Total twenty three projects were submitted in individual and group category. However there was also a viewer's choice category and a chance to elect the best project by voting. The event was full of enthusiasm and courage to show the knowledge of using microcontroller to solve and overcome chores of daily life. The event also provided students with a chance to showcase their talents by overcoming possible technical hurdles and re-inventing the sense of competition.

Students from different universities participating in the program took the opportunity to discuss their plans to do something inventive and useful for the country in future. Evaluation committee, teachers and students of RUET and many other inspected the projects. A spectacular collection of hardware & software projects were displayed. The students put in a commendable effort and via these projects not only did they present new and innovative ideas but also proposed and modeled different practical solutions to many problems in this advanced era. The projects were evaluated in terms of perception, presentation, hardware & software and applications by the evaluation team led by Dr. Md. Faruk Hossain. After the Project Show, closing and prize giving ceremony was held where Vice Chancellor of RUET was present as the chief guest. Engr. Ali Zulkarnine, member of planning, Bangladesh Atomic Energy Commission attended as the special guest. Counselor of IEEE RUET Student Branch and dean of ECE faculty Prof. Dr. Muhammad Abdul Goffar Khan presided over the closing and prize giving ceremony.

The project "Controlling Load by SMS" submitted by RUET students became champion while "A.W.E.S.O.M.M.O-X" of BRAC university got runner up recognition in the group category. In the individual category "Microcontroller Based Elevator Control System" of American International University-Bangladesh secured the first place while "Simple USB Device with AtMega32 along with PC Software" submitted by RUET won runner up prize. "Electronic Voting Machine (EVM)" of RUET students got the viewer's choice award.



Winners with the distinguished guest and staff.

Saurav Abid Rahman
Student Coordinator, IEEE RUET SB.

IEEE Student Branch CEC, India

GENESIS - Inauguration of Crystal Jubilee Celebrations & Launch of SIG-FOSS

On completion of 15 glorious years of vibrant existence, IEEE Student Branch, College of Engineering, Chengannur (CEC) has fully geared up to start the yearlong Crystal Jubilee Celebrations with a bang, on 25th January, 2012. The launch of Special Interest Group on Free and Open Source Software (SIG-FOSS) was also conducted. Mr. Satish Babu, Chair IEEE Kerala Section was the Chief Guest of the Event.



Reading of IEEE Code of Ethics

The program began with a silent prayer followed by the rendering of code of ethics by Ms. Chinchu Thomas, Chair WIE AG CEC. Mr. Jacob Mani, Chair IEEE SB CEC welcomed the gathering. Prof Dr V.P Devassia, Principal of CEC gave the presidential address in which he noted the high trends set by CEC in IEEE and the exemplary work done by the student volunteers during the past 15 years. Afterwards Mr. Mahadev A, Secretary IEEE SB CEC presented a brief history about IEEE CEC in the last 15 years. He highlighted the main achievements and laurels brought to IEEE SB of CEC during the past 15 golden years. Mr. Nikhil S, Chair Computer Society gave the introduction to the SIG-FOSS and put across the Vision & Mission of the Special Interest Group. The lighting of the lamp was done by Mr. Satish Babu, Prof. Dr V. P Devassia & other dignitaries on the dais. Mr. Satish Babu then gave the inauguration speech and thus unveiled the grand spectrum of the yearlong Crystal Jubilee Celebrations. He congratulated the present & past volunteers, past Branch Counselors and Principal in setting up a benchmark in IEEE Student Activities. Prof. Jyothiraj, Head of the Department, Electronics and Communication, Prof Nisha Kuruvilla, Former Branch Counselor and Ms Divya Raj, Branch Counselor, IEEE SB CEC also gave the felicitations. Prof. Nisha Kuruvilla threw light on the benefits of IEEE in a student's career and the role in building leadership quality by being an active volunteer in IEEE activities. Also, Ms Divya Raj congratulated the past members and wished the best of success in their endeavours in the coming years. There was a prize distribution ceremony by Mr. Satish Babu for the winners of Coderacer, a C debugging contest organized by IEEE Computer Society



Chapter. The inauguration ceremony ended up with the vote of thanks by Mr. Mahadev A.

After a brief snack break, the second session began. It consisted of technical talk and interactive session by Mr. Satish Babu. He talked about the evolution of various operating systems, the benefits of FOSS and about the various upcoming operating systems and mobile platforms. He highlighted the importance of Linux and its various advantages. Many students were inspired & motivated by the session as they understood the importance of FOSS. The session ended at 11:50 am and a set of CDs consisting of free softwares was also distributed as part of the inauguration of the SIG-FOSS. Thus this event was marked as the beginning of an exotic mix of gala and grandeur of the yearlong Crystal Jubilee Celebrations.

Shahul Hameed, Irene Susan Mathew & Nileena G. S.
College of Engineering, Chengannur, Kerala.

IEEE SB BRAC University, Bangladesh

IEEE Technical Tour 2012, Atomic Energy Research Establishments (AERE)

Atomic Energy Research Establishment (AERE) established in 1975 is an affiliated part of Bangladesh Atomic Energy Commission (BAEC) which carries out safe production and application of nuclear energy in biology, physics, and engineering science.

With an aim to get an idea of the ongoing activities in AERE, the tour was primarily focused on providing the students with a didactic demonstration of many research and development activities like research reactor, isotope production and hydrology lab, chemistry lab, cobalt-60 irradiator, waste management facility, tandem accelerator and electronics and tissue banking labs that are installed all over the premise of AERE.

Thus on 10th April, 2012 the IEEE student team visited the research institution AERE guided by a faculty member Asif Iqbal, lecturer, Department of Electrical and Electronics, BRAC University. Warmly greeted by the librarian of the research centre, the students were briefed through a video presentation about the various activities and facilities in AERE and about the employees. The tour commenced with a visit to the Electronics and Tissue Banking Fabrication Lab. The students were amazed at how the trees such as rubber trees surrounding the institute are used for tissue banking. Next the IEEE team was taken to the 'Clean Room' where the Integrated Chips (IC's) are fabricated using VLSI technique and were provided with a terse description of the process by one of the staffs.

Since all the AERE operations are very crucial and deal with harmful radiations, for the safety of the workers a radiation detector is used to measure the amount of radiation a person has in his/her clothes and body. Such a detector was also displayed to everyone for a better understanding. Afterwards the students explored another part of the centre which provides the waste management facility where wastes containing radioactive materials are treated separately to be preserved and recycled later.

The students finally had the opportunity to get a splendid sight of the massive tandem accelerator, one of the main attractions of the tour. In this accelerator ions are accelerated by applying electrostatic field at a high voltage in the middle of the accelerating tube. The final outcome is

applied principally in the study of the elemental composition of metals and for ion injection, two operations that are carried out in separate rooms, Irradiation room 1 and 2. The result is viewed through a software monitoring system installed outside the lab. A visit to the isotope production and hydrology labs which serve many renowned hospitals in Dhaka, the capital of Bangladesh, with Iodine isotopes was also a significant part of the study tour followed by a visit to the chemistry lab, cobalt-60 radiator. Gamma rays from this lab are used to detect Arsenic in human hair and other atoms in human blood. Other radiations are used as a test material to treat cancer cells. The experimental process use dummies as a replica of human.



3MW TRIGA Nuclear Research Reactor Unit

A further spectacular highlight of the tour, towards the end, was the student's visit to the Nuclear Reactor 3MW. Shortly after the independence of Bangladesh in 1972, the centre extended its research and development facilities in order to produce low power nuclear reactor to be used for several academic, training, research and industrial purposes thus facilitating the production of radioisotopes. The students were briefed on the applications of the radioisotopes in medical science and industries. The tour ended with enthusiastic and satisfactory response from the students and acquired great remarks and appreciation from everyone.



Waste Management Unit

The day long IEEE technical tour helped to enlighten the students with many noteworthy techniques and ingenious facilities in AERE for which the IEEE team is truly grateful to Professor A A Ziauddin, the Chairperson of the Department of Mathematics and Natural Sciences, BRAC University, without whose support, the study tour would not have been possible.

Ahmed Hosne Zenan
Treasurer, IEEE Student Branch BRAC University

Upcoming IEEE Conferences in Region 10

2012 IEEE 3rd International Conference on Photonics (ICP) 01 - 03 Oct 2012

Conference Location: Pulau Pinang, Malaysia

Sponsored By: Photonics Society - PHO, Malaysia Section PHO Chapter

Abstract Submission Deadline: 01 Jul 2012

Final Paper Submission Deadline: 01 Sep 2012

www.icp2012.org

2012 International Conference on ICT Convergence (ICTC) 15 - 17 Oct 2012

Conference Location: Jeju, Korea (South)

Sponsored By: Communications Society - COM

Abstract Submission Deadline: 20 Jul 2012

Final Paper Submission Deadline: 01 Sep 2012

www.ictc2012.org

2012 International Conference on Computational Problem-Solving (ICCP) 19 - 21 Oct 2012

Conference Location: Leshan, China

Sponsored By: Chengdu Section, Nanjing Section AP/MTT/EMC Joint Chapter

Abstract Submission Deadline: 01 Jul 2012

Final Paper Submission Deadline: 15 Aug 2012

www.ic-cp.org/2012

2012 3rd International Conference on System Science, Engineering Design and Manufacturing Informatization (ICSEM) 20 - 21 Oct 2012

Conference Location: Chengdu, China

Sponsored By: Chengdu Section

Abstract Submission Deadline: 01 Jul 2012

Final Paper Submission Deadline: 20 Sep 2012

www.sem-conf.org/

2012 IEEE Symposium on E-Learning, E-Management and E-Services (IS3e) 21 - 24 Oct 2012

Conference Location: Kuala Lumpur, Malaysia

Sponsored By: Malaysia Section C Chapter

Abstract Submission Deadline: 30 Jun 2012

Final Paper Submission Deadline: 01 Oct 2012

computer.ieeemy.org/is3e/

2012 International Conference on Biobase Material Science and Engineering (BMSE) 21 - 23 Oct 2012

Conference Location: Changsha, China

Sponsored By: Beijing Section, Harbin Section

Abstract Submission Deadline: 01 Aug 2012

Final Paper Submission Deadline: 01 Sep 2012

<http://www.bmse.org/>

2012 8th International Conference on New Trends in Information Science, Service Science and Data Mining (NISS, ICMIA and NASNIT) 23 - 25 Oct 2012

Conference Location: Taipei, Taiwan

Sponsored By: Korea Council

Abstract Submission Deadline: 02 Jul 2012

Final Paper Submission Deadline: 17 Aug 2012

www.aicit.org/issdm

Introducing the ICX Conferences Application Platform for IEEE Conference Organizers

Beginning early June 2012, IEEE conference organizers will be submitting conference applications through IEEE Conference Exchange (ICX), a state-of-the-art information infrastructure built on IBP, which supports many aspects of IEEE conference business. Conference submitters using the intuitive and comprehensive application forms will now have the option of saving their applications and returning to complete them later. Additional features include an on-screen progress bar, an automatic duplication check, webform tools, and the reuse of data for Memorandums of Understanding and Conference Publications (future).

With ICX, organizers can find status on their submitted conferences immediately, without needing to contact IEEE Conference Services. Review and approval for MoUs will be integrated into ICX, helping to speed the approval process. For IEEE Conference Services, ICX will enable better quality and more personalized service for organizers. More information about ICX, including live overview sessions can be found at:

<http://www.ieee.org/conferences/organizers.icx.html>

2012 9th International Conference on Ubiquitous Healthcare (u-Healthcare 2012) 25 - 27 Oct 2012

Conference Location: GyeongJu, Korea (South)

Sponsored By: Engineering in Medicine and Biology Society - EMB

Abstract Submission Deadline: 15 Sep 2012

Final Paper Submission Deadline: 15 Oct 2012

abrc.snu.ac.kr/uh2012

2012 IEEE International Conference on Power System Technology - (POWERCON 2012) 30 Oct - 02 Nov 2012

Conference Location: Auckland, New Zealand

Sponsored By: Power & Energy Society - PES, New Zealand North Section

Final Paper Submission Deadline: 15 Jul 2012

www.PowerCon2012.com

2012 International Symposium on Intelligent Signal Processing and Communications Systems (ISPACS 2012) 04 - 07 Nov 2012

Conference Location: Tamsui, New Taipei City, Taiwan

Sponsored By: Circuits and Systems Society - CAS

Abstract Submission Deadline: 17 Jun 2012

Final Paper Submission Deadline: 16 Sep 2012

www.ispacs2012.org

2012 International SoC Design Conference (ISOC 2012) 04 - 07 Nov 2012

Conference Location: Jeju Island, Korea (South)

Sponsored By: Circuits and Systems Society - CAS

Abstract Submission Deadline: 21 Aug 2012

Final Paper Submission Deadline: 15 Oct 2011

www.isoc.org

2012 9th International Conference & Expo on Emerging Technologies for a Smarter World (CEWIT)

05 - 06 Nov 2012

Conference Location: Incheon, Korea (South)

Sponsored By: Seoul Section

Abstract Submission Deadline: 15 Jul 2012

Final Paper Submission Deadline: 15 Sep 2012

cewit.org/conference2012/

2012 6th Asia-Pacific Conference on Environmental Electromagnetics (CEEM 2012) 06 - 09 Nov 2012

Conference Location: Shanghai, China

Sponsored By: Electromagnetic Compatibility Society - EMC

Abstract Submission Deadline: 31 Jul 2012

Final Paper Submission Deadline: 30 Sep 2012

www.emc2012beijing.com

2012 IEEE 14th International Conference on Communication Technology (ICCT) 09 - 11 Nov 2012

Conference Location: Chengdu, China

Sponsored By: Beijing Section

Abstract Submission Deadline: 01 Aug 2012

Final Paper Submission Deadline: 31 Aug 2012

www.icctconf.org

2012 10th International Conference on ICT and Knowledge Engineering (ICT & Knowledge Engineering 2012) 21 - 23 Nov 2012

Conference Location: Bangkok, Thailand

Sponsored By: Thailand Section

Final Paper Submission Deadline: 15 Aug 2012

www.ict-ke.org

2012 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT)

21 - 23 Nov 2012

Conference Location: Singapore, Singapore

Sponsored By: Microwave Theory and Techniques Society - MTT, Singapore Section, Singapore Section AP/MTT Joint Chapter, Singapore Section SSC Chapter

Abstract Submission Deadline: 06 Aug 2012

Final Paper Submission Deadline: 26 Oct 2012

www.ieee-rfit.org/

2012 National Conference on Computing and Communication Systems (NCCCS) 21 - 22 Nov 2012

Conference Location: Durgapur, West Bengal, India

Sponsored By: Kharagpur Section, Kolkata Section

Abstract Submission Deadline: 15 Jul 2012

Final Paper Submission Deadline: 31 Jul 2012

www.ncccs12.org

2012 Third Asian Himalayas International Conference on Internet (AH-ICI) 23 - 25 Nov 2012

Conference Location: Kathmundu, Nepal

Sponsored By: Madhya Pradesh Subsection, Azerbaijan COM/C Joint Chapter

Abstract Submission Deadline: 15 Aug 2012

Final Paper Submission Deadline: 20 Sep 2012

www.ah-ici.org/ah-ici2012

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