

Editor: Zia Ahmed

R10 Director's Message



With the start of 2011, let me start by expressing our gratitude and appreciation for the dedication, hard work and contributions of the outgoing Region 10 Executive Committee (ExCom) under the able leadership of Professor Yong-Jin Park. We welcome in a new Region 10 ExCom, listed on page 2.

In recent years, Region 10 has been experiencing strong membership growth and as at December 2010 there are 90,593 members compared to a membership of 76,322 in Dec 2008 representing an 18.8% increase over the past two years. At the same time, the number of councils has increased from 5 to 6, Sections from 56 to 57, Subsections from 12 to 21 and Chapters from 399 to 513. Indeed, all these are impressive figures by all measures. These present tremendous and exciting opportunities for increasing the value IEEE brings to both members.

I believe the need to enhance value to members is of paramount importance to enable IEEE to continue to grow. In Region 10, it is the quality of the technical publications and events that draws many to join the IEEE and to enable them to grow in their profession and careers. At the local level, it is the local IEEE Sections, Subsections or Chapters where there are greatest opportunities to reach out to members and to provide them with tangible value and benefits. The Region 10 ExCom will endeavour to work closely with Sections, Subsections, Chapters and Student Branches to create meaningful and sustainable benefits to members. The strategies to foster vibrancy at the volunteer level and value enhancement at the member level will include:

- Putting in place mechanisms to guide, advice and assist IEEE volunteers to meet the needs of members
- Initiating strategic programs and projects to seed and catalyze interest, excitement and vibrancy in Sections and Chapters
- Developing and adopting effective, accountable and transparent entity governance
- Leveraging on internet technologies to bring services to members and to facilitate sharing and networking
- Building stronger linkages and awareness between local entities and IEEE headquarters
- Promoting Distinguished Lecture programs and TAB Colloquia for the benefit of larger community of members across Region 10
- Exploring ways to increase member benefits

We look forward to an exciting year ahead and welcome any inputs and comments that will help the Region 10 ExCom to enhance the value IEEE brings to each and every member.

Lawrence Wong
Region 10 Director (2011-2012)

In this Issue.....

R10 Director's Message

IEEE R10 News & Highlights

- The New R10 ExCom
- The R10 Executive Committee Meeting 2011
- R10 Recipients of 2011 IEEE Medals & Recognitions and IEEE Technical Field Awards
- R10 Student Activities Plans for 2011
 - IEEE Region 10 Student/GOLD/WIE Congress 2011
 - Call for Speakers - Emerging Technologies Seminars, R10SC 2011
 - IEEE Region 10 Website Contest 2011
- Call for Proposals for the R10 WIE Support Fund
- Call for Proposals for the R10 EAC Support Fund
- IEEE Fellows Elevated as of January 2011 in R10

IEEE HQ News & Highlights

- E4C – A Message from Prof. Moshe Kam
- IEEE EAB 2011 Awards - Call for nominations
- A Message for the Newly Elected IEEE Geographic Unit Officers
- Call for Grant Applications: IEEE Foundation / IEEE Life Members Fund
- Sections Congress Recommendations
- IEEE GOLD High Performance Computing Webinar
- New Member Orientation Webinars

IEEE R10 Councils & Sections - News & Highlights

- IEEE Calcutta Section
- IEEE Taipei Section
- IEEE Madras Section
- IEEE Xi'an Section
- IEEE Hyderabad Section
- IEEE Malabar Sub- Section
- IEEE Gujarat Section

WIE News & Highlights

- IEEE India WIE – GOLD – Students' Meet 2010

IEEE R10 Student Branches - News and Highlights

- IEEE Australia & New Zealand Student Congress 2010
- IEEE Pakistan Students Congress 2010

Upcoming IEEE Conferences in Region 10



IEEE R10 News and Highlights

Our New Region 10 Delegate/Director (2011 – 2012)

Prof Wai-Choong (Lawrence) WONG



Lawrence Wong is Professor in the Department of Electrical and Computer Engineering, National University of Singapore (NUS). He is also Deputy Director (Strategic Development) of the Interactive and Digital Media Institute at NUS. He was previously Executive Director of the Institute for Infocomm Research (I²R) from Nov 2002 – Nov 2006.

Prior to joining NUS in 1983, he was a Member of Technical Staff at AT&T Bell Laboratories, Crawford Hill Lab, NJ, USA from 1980 to 1983.

He received the B.Sc. (1st class Honours) and Ph.D. degrees in Electronic and Electrical Engineering from Loughborough University, UK, in 1976 and 1980, respectively. His research interests include wireless networks and systems, and source matched transmission techniques with over 200 publications and 4 patents in these areas. He was a co-recipient of the IEE Marconi Premium Award 1989, the e-nnovator Award 2000, IEEE Millennium Award 2000, and co-author of the Best Paper Award at the IEEE International Conference on Multimedia and Expo (ICME 2006).

He has been actively involved in IEEE activities since 1984 taking on numerous volunteer leadership positions, including IEEE Singapore Section Chair from 1993 – 1996, and chairmanship of numerous IEEE conference organizing committees.

Region 10 Executive Committee 2011 – 2012

R10 Director: **Prof Wai-Choong (Lawrence) WONG**

R10 Immediate Past Director: **Prof Yong-Jin PARK**

R10 Director-Elect: **Prof Toshio FUKUDA**

R10 Secretary: **Dr Darrel CHONG**

R10 Treasurer: **Dr Michael ONG**

Vice Chair - Technical Activities: **Prof Marzuki KHALID**

Vice Chair - Membership Activities: **Prof Kukjin CHUN**

R10 Conference & Technical Seminar Coordinator: **Prof Zhisheng NIU**

R10 Educational Activities Coordinator: **Asst Prof Supavadee ARAMVITH**

R10 Professional Activities & History Coordinator: **Yat-Wing LIU**

R10 Humanitarian Activities Coordinator: **Amarnath RAJA**

R10 Industry Relations Coordinator: **Assoc Prof Rajendra ASTHANA**

R10 Membership Development/ Life Member Coordinator: **Prof Hang-Bong KANG**

R10 Awards & Recognition Committee Chair: **Takatoshi MINAMI**

R10 GOLD Program Coordinator: **Timothy WONG**

R10 Women In Engineering Coordinator: **Prof Takako HASHIMOTO**

R10 Section/Chapter Coordinator: **Prof Jhing-Fa WANG**

R10 Student Activities Coordinator: **Prof. Takao ONOYE**

R10 Electronic Communications & IM Coordinator: **Dr Jing DONG**

R10 Newsletter Editor: **Dr Zia AHMED**

R10 Sections Congress 2011 Coordinator: **Deepak MATHUR**

R10 Student Representative: **Om Perakash BATRA**

R10 Advisory Committee:

Prof Teck Seng LOW

Prof Janina MAZIERSKA

Prof Juck-Uck SEO

The R10 Executive Committee Meeting 2011

The R10 ExCom Meeting was held in Taipei on 15 January 2011. The ExCom meeting is an annual event where team members share knowledge of past activities and take the opportunity to plan for the New Year.

Lawrence Wong, Region 10 Director started the meeting by thanking outgoing Director Yong Jin Park for his two years of leadership and dedication. Lawrence also took the



R10 Executive Committee 2011 - 2012

opportunity to congratulate Gordon Day for being elected 2011 President Elect, and Toshio Fukuda for being elected R10 Director, 2011-2012.

Lawrence congratulated the Region for achieving the highest voting rate of 19.9% among the regions in IEEE. The voting rate in R10 is encouragingly above the global average of 15.4%. The 3 R10 Sections with the highest voting rates were Philippines (40.7%), Calcutta (32.4%), and Kharagpur (32.2%).

Lawrence introduced the new structure of R10 ExCom. In 2011, Lawrence initiated the OpsCom structure, which is a subset of R10 ExCom to facilitate decision making process and governance. The OpsCom consists of the R10 Director, the immediate Past Director, the Director-Elect, Treasurer, Secretary, and two Vice Chairs – namely the Vice Chair for Technical activities committees and Vice Chair for membership activities committees. The two Vice-Chairs will work closely with their assigned committees. This approach will facilitate greater accountability and collaboration among the coordinators in R10 ExCom.

Lawrence also updated the ExCom that by 31 December 2010, IEEE has crossed the 400,000 members mark to reach 407,541 members worldwide. IEEE has 346,657 Society members, 1,000 staff, and an annual budget of US\$380 million by the end of 2010.

2010 has been a good year for R10 too. The region continue to grow strongly amidst the global economic recovery to consist of 57 Sections, 21 Sub-sections, 6 Councils, 513 Chapters, 583 Student Branches, 57 Student Branch Chapters, 24 GOLD Groups, and 19 WIE Groups. In terms of membership, R10 crossed the 300,000 mark to reach 304,746. R10 is the largest in terms of graduate students, undergraduate students, and total membership. R10 is second in terms of higher grade membership, behind R8. Some key highlights of 2010 include the expansion and relocation of IEEE Asia Pacific Office in Singapore to Fusionpolis in November 2010, the opening of IEEE office in Bangalore, the establishment of the IEEE Pakistan fund, and the success of R10 student activities in (a) winning 2 out of the 5 Xtreme Programming Competition, (b) winning 1st and 3rd prize in HTC student design project, and winning 3rd prize in IEEE President's Change the World Competition.

The past achievements help the region to move forward. Lawrence articulated IEEE's vision and mission, and use them as the basis for the region's goals for 2011-2012. Lawrence identified the four goals as (a) to bring greater value to members, (b) to empower Sections & Chapters, (c) to strengthen inter-OU collaboration, and (d) to launch new initiative programs.

All ExCom members presented their 2011 goals and plans. The face-to-face meeting was very fruitful for the team to exchange ideas and share experiences. The preliminary budgets were also discussed and prepared to be presented at the R10 AGM in Yogyakarta, Indonesia, from 5 - 6 March 2011.

Darrel CHONG
R10 Secretary

R10 Recipients of 2011 IEEE Medals & Recognitions and IEEE Technical Field Awards

IEEE Medals

Taipei Section

IEEE MEDAL OF HONOR to MORRIS CHANG (LMIEEE) - Founder, Chairman and CEO, Taiwan Semiconductor Manufacturing Company, Taipei, Taiwan
“For outstanding leadership in the semiconductor industry.”

Nagoya Section

IEEE EDISON MEDAL to ISAMU AKASAKI (FIEEE) - Professor, Meijo University, The Graduate School of Science and Technology, Nagoya, Japan
“For seminal and pioneering contributions to the development of nitride-based semiconductor materials and optoelectronic devices, including visible wave length LEDs and lasers.”

IEEE MEDAL FOR ENVIRONMENTAL AND SAFETY TECHNOLOGIES to SHOICHI SASAKI (MIEEE) - Professor, Graduate School of System Design and Management, Keio University, Yokohama, Japan
“For pioneering contributions to the development and market penetration of hybrid electric vehicles (HEVs) through the invention of their power output apparatus and control method.”

Society Affiliation: Industrial Electronics Society

Taipei Section

IEEE JUN-ICHI NISHIZAWA MEDAL to (with two other co-recipients) FANG-CHEN LUO (LMIEEE) - Chief Technology Officer, Vice President, AU Optronics Corp., Hsinchu, Taiwan
“For pioneering contributions to thin-film-transistor (TFT) liquid-crystal displays.”

IEEE HONORARY MEMBERSHIP

AVUL PAKIR JAINULABDEEN ABDUL KALAM (Non Member) - Former (2002-07) President of the Republic of India, New Delhi, India

“For outstanding contributions toward transforming society through technology and for inspiring millions of school children to harness science and technology for human welfare and national development.”

and

WANG JIANZHOU (Non Member) - Chairman and CEO, China Mobile Limited, Beijing, China

“For greatly enhancing the quality of life of large populations in rural areas through visionary leadership in the deployment of affordable mobile telecommunications.”

IEEE Technical Field Award Recipients 2011

Tokyo Section

IEEE INTERNET AWARD to JUN MURAI (AIEEE) - Dean and Professor, Faculty of Environment and Information Studies, Keio University, Kanagawa, Japan
“For leadership in the development and deployment of the global Internet, especially across the Asia-Pacific region.”

Society Affiliation: Communications Society

Singapore Section

IEEE FREDERIK PHILIPS AWARD to DIM-LEE KWONG (FIEEE) — Executive Director, Institute of Microelectronics (IME), Agency for Science, Technology and Research (A*STAR), Singapore

"For leadership in silicon technology and excellence in the management of microelectronics R&D."

Tokyo Section

IEEE ROBOTICS AND AUTOMATION AWARD to HIROCHIKA INOUE (LMIEEE) — Professor Emeritus, The University of Tokyo, Advisor, Digital Human Engineering Research Center, National Institute of Advanced Industrial Science and Technology (AIST), Tokyo, Japan

"For original and continuous contributions to research in intelligent robotics, in particular to real-time vision and humanoid robotics."

Society Affiliation: Robotics and Automation Society

Bombay Section

IEEE UNDERGRADUATE TEACHING AWARD to RAGHUNATH K. SHEVGAONKAR (SMIEEE) - Professor of Electrical Engineering, Indian Institute of Technology Bombay and University of Pune, Mumbai, India

"For contributions to inspirational classroom teaching and development of outstanding text books and e-learning material for electromagnetic waves and transmission lines."

Society Affiliation: Communications Society, Photonics Society

IEEE PRIZE PAPER 2011

New Zealand Central Section

IEEE DONALD G. FINK PRIZE PAPER AWARD to (with two other co-recipients) **MANSOOR SHAFI (FIEEE)** - Telecom New Zealand, Wellington, New Zealand, Society Affiliation: Communications Society, Vehicular Technology Society

For their paper entitled **"Propagation Issues for Cognitive Radio,"** Proceedings of the IEEE, Vol. 97, No. 5, May 2009

R10 Student Activities Plans for 2011

Dear Council, Section & SAC Chairs, and Student volunteers,

Thank you for the support for the R10 Student Activities. I am happy to announce the first set of R10 SAC activities/contests/awards lined up for 2011 as well as 2011 R10 Student Congress.

- 1. IEEE R10 Student Congress, July 07 - 10, 2011, Auckland, New Zealand** (more details next page)
- 2. PG & UG Student Paper Contests** (Deadline 15th March, 2011)

Visit <http://www.r10sac.org/activities/paper-contest.html> for more details

- 3. Larry K. Wilson Regional Student Activities Award** (Deadline 31st March 2011)

Visit <http://www.r10sac.org/activities/larry-k-wilson-award.html>

http://www.ieee.org/web/membership/students/scholarships/awardscontests/MGALarryKWilsonRegionalStudentActivities_Aw.html for more details

http://www.ieee.org/web/membership/students/scholarships/awardscontests/MGALarryKWilsonRegionalStudentActivities_Aw.html%20for%20more%20details

- 4. Regional Exemplary Student Branch Award** (Deadline 31st March 2011)

Visit <http://www.r10sac.org/activities/student-branch-award.html>

http://www.ieee.org/web/membership/students/scholarships/awardscontests/IEEE_Regional_Exemplary_Student_Branch_Award.html for more details

http://www.ieee.org/web/membership/students/scholarships/awardscontests/IEEE_Regional_Exemplary_Student_Branch_Award.html%20for%20more%20details

- 5. The R10 website contest** deadline (31st March 2011)

For details about all R10 student activities please visit Student activities page at <http://www.r10sac.org>. Hoping for an active participation in all the events!

Best Regards,

Takao Onoye, Dr. Eng.

R10 SAC Coordinator 2011 - 2012

onoye@ieee.org

IEEE Region 10 Student/GOLD/WIE Congress 2011

Continuing the tradition of organising Student Congress every two years, the IEEE Region 10 Student/GOLD/WIE Congress 2011 (R10SC) will take place in Auckland, New Zealand. The R10SC will unite students, young professionals and women in engineering and related fields to explore new and existing ideas, network and discuss issues in their professions. The confluence of volunteers with industry representatives and experienced IEEE leaders during this special event aims to cultivate tomorrow's leaders who will contribute to take the IEEE and their profession to a pinnacle yet to be achieved. The details of the event are provided below.

Venue: Faculty of Engineering, The University of Auckland, Auckland, New Zealand

Dates: July 7- 10, 2011

Organizer: IEEE New Zealand North Section

Theme: "Emerging Technologies: Realizing innovative ideas that will define a better tomorrow for humanity"

The R10SC Organising committee welcomes students, WIE and GOLD leaders from IEEE Region 10 and around the globe to come, interact and get motivated. Special events in the programme include Emerging Technologies Seminars, Senior Volunteers Discussion Forum, Employers Forum, Leadership Workshops, Breakout/Training sessions, and exhibitions. Enliven this event with your involvement. Registration is now open for the prestigious event. Please visit <http://r10sc.auckland.ac.nz>. If you have any questions, please re-direct your queries to organizing committee at contactus@auckland.ac.nz

The number of delegates is limited to 150. It will be ideal but is not limited to have 3 delegates (1 Student Branch leader, 1 WIE leader, 1 GOLD leader) from each Section. Please request sponsorship for the travel and registration fee

from your Section for this event and make use of this golden opportunity.

Please spread the word and encourage the most active student, GOLD, and WIE volunteers to register. Soliciting your full co-operation for this event, with a request to make the combined congress an unforgettable one!

Regards

Om Perakash
R10 Student Representative

Call for Speakers

Emerging Technologies Seminars, R10SC Auckland 2011

The IEEE Region 10 Student/GOLD/WIE Congress (R10SC) Auckland 2011 Organising Committee is pleased to invite potential speakers in the emerging technologies seminars to submit an abstract of their proposed topic.

The sixth Region 10 Student/GOLD/WIE Congress, to be held in Auckland for the first time on 7–10 July 2011, will gather students, young professionals and women in engineering from all over the Asia-Pacific region to explore opportunities in their profession, discuss ideas and consider future trends. The theme of R10SC 2011 is emerging technologies. As well as activities aimed at volunteer development, attendees at R10SC 2011 will explore exciting innovative technologies that will inspire both what they can do, and their impression of the profession to which they belong.

Intended Scope

The intended scope is technologies which are on the verge of implementation. That is, technologies which

- either are sufficiently developed for market introduction to be imminent, but have yet to penetrate the mainstream market **or**
- have recently been introduced to the market, but are still "state-of-the-art" technologies.

Flexibility will be exercised around the boundaries. The intention is for topics to be sufficiently novel to be inspiring, but not so visionary that they concern an imagination of the future. Speakers may cover technical or research-related aspects of a topic, or contextual aspects such as market trends, or both.

For example, the Organising Committee considers topics relating to these fields to be relevant:

- 4G mobile communications
- Electric vehicles
- Smart grids
- Fibre broadband networks
- Biometric identification
- Cloud services

It cannot be emphasised enough that this is not an exhaustive list. It is only a few examples; it is not possible to write an exhaustive list of this nature. Even if a product itself has a long history, recent highly-innovative additions to the product (and thus presentations focussing on such innovation) are likely to be relevant to the intended scope. Presentations on topics related to emerging technologies are also encouraged. For example, non-exhaustively:

- Venture capital

- Intellectual property (as it relates to new technologies)
- The realities of being a start-up
- The role of standards (IEEE or otherwise) in supporting new technologies

Speakers who are unsure about their topic are strongly urged to contact the Programme Director.

Eligibility: There are no restrictions on the eligibility of speakers.

The R10SC Organising Committee regrets that it is unable to provide funding for travel to and accommodation in Auckland.

Speaking times: Presentations will be 20 minutes long, with 5 to 10 minutes allowed for questions.

Submission and Contact: For deadlines, submissions, further information and enquiries generally, please refer to the official R10SC website at <http://r10sc.auckland.ac.nz/> or e-mail Chuan-Zheng Lee at cz.lee@ieee.org.

Chuan-Zheng Lee
Programme Director, IEEE R10 Student/GOLD/WIE Congress 2011

Call for

IEEE Region 10 Website Contest 2011

The IEEE Region10 Website Contest is a yearly opportunity for Student Branches in Asia Pacific to interact, compete and learn from one another. The R10 Website Contest is now open for submissions.

Motivation behind this Website Competition

- Electronic communications among IEEE members has been one of the IEEE main concerns during the recent times.
- Student Branches are visible to the world and are just one click away
- It is very important for the IEEE Student Branches to communicate with their student members and other branches in an electronic way. Having a Student Branch website is a good tool to achieve this goal.

R10 Website Contest (Rules and Guild-lines)

The judging criteria can be found at:

http://ieee.org/web/membership/students/scholarshipsaward/scontests/IEEE_Student_Branch_Web_Site_Contest.html

1st Prize winner will automatically stand a chance for the IEEE Student Branch Web Site Contest organized by MGA at the global level.

At stage 1, each region holds its own regional Website contest (this stage is the R10 Website Contest). At stage 2, all regions including R10 submit the top entry to the IEEE Student Branch Website Contest.

Please submit "Request for Participation Form" from interested Student Branch by **March 31, 2011**.

R10 Website Contest Winning Categories includes

- 1st Prize:** US\$500 + Certificate + Qualify for Inter-regional Website contest
- 2nd Prize:** US\$350 + Certificate
- 3rd Prize:** US\$200 + Certificate
- Best New Comer Award:** Certificate

Merit Award (top 20% but subjected to change depending on participation): Certificate

*Monetary award for this contest comes from Region 10.

Criterion 1: Content

Note: Originality and presentation will not be judged in this category!"

Example: Contact information for Branch administration, each page has contact and date information, Information on Branch and related (department, Section, etc.) activities, No copyright violations, reasonably proper grammar, spelling, and composition, Solid multi-lingual support, Content is proper for Student Branch audience, Content is reasonably "complete".

Criterion 2: Navigability

Example: No under construction links, All on-site links are working, Off-site links are fairly stable, Good logical structure used in the site, Easy to find information, Logical and tasteful use of keywords as hyperlinks, Judicious use of hyperlinks, use of navigation tools (search engines, navigation bars, site maps).

Criterion 3: Originality

Example: Unique and innovative content on the site, Unique and innovative presentation of "standard" material on the site.

Criteria 4: Overall Presentation

Example: Good layout of individual pages, Discrete, tasteful backgrounds, Discrete, tasteful, and useful scripts, Useful audio and/or video, Useful images and appropriately presented, Use of tables and other HTML elements as appropriate.

Criteria 5: Portability

Example: Web site supports text-only browsers, No use of fixed elements in Web pages, Page design considers variable screen size, Browsing the site locally has been possible.

Criteria 6: Load Time

Example: Image sizes are not excessively large (or alternative "high bandwidth" Web site is present), Reasonable amount of Javascript, animated GIFs, images, etc. are on each page, Script/multimedia execution time (if relevant).

Please submit your entries online at <https://spreadsheets.google.com/viewform?formkey=dHRH LTNSRkNrU2U1OGVYQzlnbnlZWUE6MQ> or contact R10 RSR Om Perakash Batra opbatra2kn@gmail.com or R10 Prof. Takao Onoye taekaaso@gmail.com for any further details.

Om Perakash
R10 Student Representative

Send your news items and articles to R10 Newsletter Editor by email: r10-ecn@ieee.org

<u>Publication Date</u>	<u>Deadline for Submissions</u>
June 2011	15 May 2011
September 2011	14 Aug 2011
December 2011	12 Nov 2011

Call for Proposals

IEEE R10 Women in Engineering Support Fund

IEEE R10 WIE committee invites you to submit proposals to bid for R10 WIE support fund for the following activities:

1. R10 WIE PROGRESS Project Support Fund 2011

R10 WIE has launched the project "PROGRESS - PROMote Gender Equal Societies in Science" to visualize the gender-equality status and promote the participation of women in societies. The primary activities and programs of PROGRESS project include the following:

i. Survey of the current gender-equality status through questionnaire or interview etc.

To consider developing a set of uniform indicators of women's education, workforce participation & career advancement in science, engineering and technology (SET) and establish benchmarks is crucial. R10 WIE supports activities for survey and visualization of current gender-equality status through questionnaire or interview etc.

ii. Gender-equality promotion in cooperation with rural areas - This activity supports women and young people in rural societies by imparting technical training and utilizing natural resources. It can be defined as the successor of Sangamam project which was promoted in 2009-2010. R10 WIE supports activities like follows:

Channelizing the youth energy - To identify a village with enthusiastic youth, both boys and girls and give them a little push is important. This program brings together the youth of the village and organizes programs on career guidance and personality development.

Imparting technical training to Women - Women and children with necessary academic background are given computer training and guidance to put the training to good use. Rural schools with lack of experienced teaching faculty are identified and the children are given a series of lectures in Physics and Mathematics and the Basics for Engineering Education.

iii. Other activities for promoting change of mind set

The change of mind set is not only a problem for the female but also for the whole society. To change minds, PROGRESS project encourages men to work for supporting women in engineering. With this program, R10 WIE would like to highlight men, who foster women leaders, promote women engineers, and help for their wives and daughters career development. Forums which are organized as a membership development activity and promote gender-equality are supported.

Under the PROGRESS project, innovative programs are welcome and funding will be allocated on the basis of outreach the program is capable of.

2. R10 WIE STAR Support Fund 2011

STAR's aim is to create a technical support network for teachers and a mentoring program for students.

i. R10 WIE Congress/Forum Support Fund 2011

WIE congresses/forums are organized by the IEEE Sections to make networking between the members possible by providing a forum where the members speak as the collective voice of IEEE WIE to share and discuss their views for change. This also serves as a workshop and training ground for new leaders on their

NEW IEEE FELLOWS IN REGION 10

IEEE Fellows Elevated as of January 2011 in Region 10

Heartiest congratulations to our 2011 Class of IEEE Fellows!

responsibilities and opportunities. Sections interested on providing such a ground on their premises are welcome to organize national and international congresses/forums to facilitate the students and professionals join hands to achieve the IEEE WIE goals.

ii. R10 WIE Conference Support Fund 2011

To encourage women in research, WIE tracks are being organized in National and International level IEEE conferences all over the Region. R10 WIE is proud to provide partial support for the WIE tracks in terms of promotional materials, registration aids, awards and proceedings. Proposals are invited from interested Sections, Society Chapters and conference organizers.

For more information, please visit:

<http://www.ieee.org/web/membership/women/star.html>

For details of this CFP including the proposal form, please visit the announcement on the R10 Website. The announcement has been sent to all R10 Chairs by email. Please complete the proposal form and send it to takako@cuc.ac.jp (Cc: ieeepo@pacific.net.sg).

Limit of Support for each proposal

Technical Conference – USD500
PROGRESS, Congress, Forum - USD300
STAR – USD200

The deadline for all proposals is 31 May 2011. Recipient will be notified in 1st week of August 2011.

Thank you in advance for your kind consideration and participation.

Takako Hashimoto
IEEE R10 Women In Engineering Coordinator

Call for Proposals

R10 EAC Support Fund 2011

R10 Education Activities Committee invites you to submit proposals to bid for educational activities support fund.

Educational activities include, but not limited to:

- Technical colloquium or symposium
- Soft skill education program
- Outreach program
- Professional Development

In the proposal, please specify:

- Name of Chapter/Section
- Name of contact person
- Name of event: Technical, Soft Skill or Educational Outreach
- Objective of the event
- Benefits to members/community
- Expected number of participants including members and non-members
- Date of event and the proposed budget

Limit of Support for each successful proposal is USD500

Deadline: March 31, 2011

Notification of Decision: April 15, 2011

Please email your proposal to Supavadee.A@chula.ac.th

Supavadee Aramvith, Ph.D.
R10 Educational Activities Coordinator

Bangalore Section

Dr. Biswadip (Bobby) Mitra

Texas Instruments (India) Pvt. Ltd.
7th Main, 7th Cross
Indiranagar Second Stage
Bangalore, Karnataka, 560008, India

for leadership in the semiconductor industry and very-large-scale integrated circuit design

Beijing Section

Prof. Xiaoqing Ding

Tsinghua University
Dept. of Electronic Engineering
Beijing, 100084, China

for contributions to multi-lingual character recognition and face recognition systems

Dr. Shipeng Li

Microsoft Research, Asia
5F Beijing Sigma Center
No. 49 Zhichun Rd, Haidian District
Beijing, 100190, China

for contributions to the advancement of image and video coding

Dr. Wei-Ying Ma

Microsoft Research, Asia
4F, Beijing Sigma Center, No 49 Zhichun Road
Beijing, 100190, China

for contributions to multimedia information retrieval

Bombay Section

Prof. Subhasis Chaudhuri

Indian Institute of Technology Bombay
Department of Electrical Engineering
IIT Bombay, Powai
Mumbai, 400076, India

for contributions to graduate-level education in electrical engineering

Fukuoka Section

Prof. Fujio Kurokawa

Nagasaki University
1-14 Bunkyou-machi
Nagasaki, 852-8521, Japan

for contributions to switching power converter control

Hong Kong Section

Dr. Pak Chung Ching

The Chinese University of Hong Kong
Department of Electronic Engineering, CUHK
Shatin, Hong Kong, China

for leadership in engineering education and accreditation

Prof. Mounir Hamdi

Hong Kong University of Science and Technology
Department of Computer Science and Engineering

Lear Water Bay, Kowloon, Hong Kong, China
for contributions to design and analysis of high-speed packet switching

Prof. Kwok Leung
City University of Hong Kong
Department of Electronic Engineering
Kowloon Tong, Hong Kong, SAR, China
for contributions to the development of the dielectric resonator antenna

Prof. Bo Li
The Hong Kong Univ. of Science and Technology
Department of Computer Science
Lear Water Bay, Kowloon, Hong Kong, China
for contributions to content distribution via the internet

Prof. Wen Jung Li
The Chinese University of Hong Kong
Dept. of Mechanical and Automation Engineering.
Shatin, NT, Hong Kong, SAR, China
for contributions in low-power integrated nanotube sensors and devices

Prof. Han-Xiong Li
City University of Hong Kong
Department of Manufacturing Eng. & Eng. Mgmt.
Hong Kong, China
for contributions to applications of fuzzy logic control

Prof. Jiming Liu
Hong Kong Baptist University
1B, Block 1, Beacon Heights
1 Lung Ping Road
Kowloon, Hong Kong, SAR, China
for contributions to web intelligence and multi-agent autonomy-oriented computing

Prof. Ke-Li Wu
The Chinese University of Hong Kong
Department of Electronic Engineering
Shatin, NT, Hong Kong
for contributions to non-planar microwave filters and embedded radio frequency passive circuits

Dr. Quan Xue
City University of Hong Kong
Department of Electronic Engineering
83 Tat Chee Avenue
Hong Kong, Kowloon, China
for contributions to microwave transmission line structures and integrated circuits

Kansai Section

Dr. Hiroaki Sugiura
Mitsubishi Electric Corporation
1 Zusho Baba
Nagaokakyo, Kyoto, 617-8550, Japan
for leadership in color management technology in multimedia systems

Madras Section

Dr. Dwarakadas Kothari
VIT University,
Advisor to Chancellor
Vellore, Tamil Nadu, 632014, India
for contributions in electrical engineering education

New South Wales Section

Dr. Nigel Lovell
University of New South Wales
Graduate School of Biomedical Engineering
Sydney, NSW, 2052, Australia
for contributions to medical device technologies including telehealth systems and visual prostheses

Prof. Anthony Milne
University of New South Wales-Kensington
School of Biological, Earth and Environmental Sciences
Sydney, NSW, 2052, Australia
for leadership in remote sensing applications

Prof. S. O. Reza Moheimani
University of Newcastle
School of Electrical Engineering & Computer Science
Callaghan, NSW, 2308, Australia
for contributions to control of nanopositioning systems

New Zealand Central Section

Dr. Subhas Mukhopadhyay
Massey University, Palmerston North, New Zealand
Ag-Hort Building, Room No. AH 3.77
Private bag 11222
Palmerston North, 4442, New Zealand
for development of low-cost smart sensors and sensing systems

Sapporo Section

Prof. Yasutaka Ogawa
Hokkaido University
Graduate School of Information Science and Technology
Kita 14, Nishi 9, Kita-ku
Sapporo, Hokkaido, 060-0814, Japan
for contributions to estimation techniques and antenna signal processing

Sendai Section

Prof. Koichi Nara
Fukushima National College of Technology
30 Nagao, Kamiarakawa, Taira
Iwaki, Fukushima, 970-8034, Japan
for contributions to automation of power distributive systems

Prof. Masaru Uchiyama
Tohoku University
Dept. of AE, Graduate School of Engineering
Aoba-yama 6-6-01
Sendai, Miyagi, 980-8579, Japan
for contributions to design, modeling, and control of robotic structures

Seoul Section

Prof. Bo Cho
Seoul National University
#043 School of Electrical Engineering and Computer Science
San 56-1, Shinlim Dong, Kwanak Ku
Seoul, 151-744, Korea
for contributions to large-scale distributed power electronics systems

Dr. Kiho Kim

Samsung Electronics Co., Ltd.
Tower Palace E-3102, DoGok-Dong 467-17
KangNam-Gu
Seoul, 135-535, Korea

*for contributions to high-speed next-generation
orthogonal frequency division multiplexed multiple-
antenna wireless networks*

Dr. Changhyun Kim

Samsung Electronics Co., Ltd.
San #16 Banwol-Dong.
Hwasung, Gyeonggi-Do, 445-701, Korea

*for contributions to low voltage, high performance, high
density memory design*

Prof. Kwang Bok Lee

Seoul National University
School of Electrical Engineering
San 56-1, Shinlim-Dong, Kwanak-Gu
Seoul, 151-742, Korea

*for contributions to high-speed wireless communication
systems*

Prof. Jae Lee

Seoul National University
School of Electrical Engineering and Computer Science
San 56-1, Sillim-dong, Gwanak-gu
Seoul, 151-744, Korea

for contributions to wireless communication systems

Prof. Myung Sunwoo

Ajou University
School of Electrical and Computer Engineering.
San 5, Wonchun-Dong, Yeungdong-Gu
Suwon, Gyeonggi-Do, 443-749, Korea

for contributions to multimedia and communications

Singapore Section**Dr. Ying-Chang Liang**

Institute for Infocomm Research
1 Fusionopolis Way, #21-01 Connexis (South Tower)
Singapore, 138632, Singapore

for contributions to cognitive radio communications

Dr. Susanto Rahardja

Institute for Infocomm Research
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Singapore, 138632, Singapore

for leadership in digital audio and signal processing

Dr. Qibin Sun

Hewlett-Packard Laboratories
42 Choa Chu Kang Street 64, #17-14
The Quintet
Singapore, 689104, Singapore

for contributions to multimedia security

Tainan Section**Prof. Kwang-Lung Lin**

National Cheng Kung University
Department of Materials Science and Engineering
1 University Road
Tainan, 70101, Taiwan

*for contributions to development of lead-free solder
alloys and material interactions*

Taipei Section**Prof. Chin-Long Wey**

National Chip Implementation Center
7F, No.26, Prosperity Road
1 Hsinchu Science Park
Hsinchu, 300, Taiwan

*for leadership in education and services in integrated
circuits*

Prof. Ching-Ray Chang

National Taiwan University
Department of Physics
Taipei, Taiwan

*for contributions to micromagnetic calculations and
computational approaches in spin transport*

Prof. Shyi-Ming Chen

National Taiwan University of Science and Technology
43, Section 4, Keelung Road
Taipei, 106, Taiwan

*for contributions to fuzzy reasoning forecasting and
information retrieval*

Prof. Albert Chin

National Chiao Tung University
1001 Ta-Hsueh Road
Hsinchu, Taiwan, 30050, China

*for contributions to high-K dielectrics and metal gate
electrodes for complementary metal-oxide semiconductor*

Prof. Jen-Inn Chyi

National Central University
300 Jhong-Da Road
Jhong-Li, 32001, Taiwan

*for contributions to III-V compound semiconductor
optoelectronic devices*

Prof. Yunghsiang Han

National Taipei University
151, University Rd., San Shia
Taipei, Taiwan

for contributions to decoding techniques

Prof. Tei-Wei Kuo

National Taiwan University
No 1, Sec 4 Roosevelt Rd., CSIE Department
Taipei, 106, Taiwan

*for contributions to real-time embedded systems and
flash-memory storage systems*

Prof. Chih-Jen Lin

National Taiwan University
Dept. of Computer Science and Information Engineering
Taipei, 106, Taiwan

*for contributions to support vector machine algorithms
and software*

Prof. Li-Chun Wang

National Chiao Tung University
Department of Communication Engineering
1001 Ta-Hsueh Road
Hsinchu, 300, Taiwan

*for contributions to cellular architectures and radio
resource management in wireless networks*

Tokyo Section

Dr. Miwako Doi

Toshiba Corporation
1, Komukai-Toshiba-cho, Saiwai-ku
Kawasaki, Kanagawa, 212-8582, Japan

for contributions to the human interface of document processing

Dr. Yoshihiro Fujita

Japan Broadcasting Corporation
1-10-11, Kinuta, Setagaya-ku
Tokyo, 157-8510, Japan

for contributions to imaging systems for high resolution television

Dr. Digh Hisamoto

Hitachi, Ltd.
Central Research Laboratory
1-280, Higashi-koigakubo
Kokubunji, Tokyo, 185-8601, Japan

for contributions to complementary metal-oxide semiconductor devices

Dr. Shin'ichiro Kimura

Hitachi, Ltd.
Central Research Laboratory
1-280 Higashi-koigakubo
Kokubunji, Tokyo, 185-8601, Japan

for contributions to advanced stack memory cells for high density dynamic random access memories

Mr. Yoshinobu Nakagome

Renesas Technology Corporation
111 Nishiyokote
Takasaki, Gunma, 370-0021, Japan

for pioneering development of low-voltage dynamic random access memory circuits and low-leakage complementary metal-oxide mechanical system circuits

Prof. Yoshihiko Nakamura

The University of Tokyo
Dept. of Mechano-Informatics, Graduate School of IST
7-3-1 Hongo, Bunkyo-Ku
Tokyo, 113-8656, Japan

for contributions to robotics

Prof. Sakae Okubo

Waseda University
Global Information and Telecommunication Institute
YRP Ichibankan, 3-4 Hikarinooka
Yokosuka-shi, Kanagawa-ken, 239-0847, Japan

for contributions to video coding and multimedia communication systems

Dr. Masanobu Shimada

Japan Aerospace Exploration Agency (JAXA)
Matsukgaoka 3-21-6
Hatoyamamachi, Hiki-gun
Tsukuba Shi, Saitama-prefecture, 350-0313, Japan

for contributions to radar remote sensing technologies

Dr. Akihiko Sugiyama

NEC Corporation
1753 Shimonumabe, Nakahara-ku
Kawasaki, Kanazawa, 211-8666, Japan

for contributions to speech and audio signal processing

Dr. Kunio Uchiyama

Hitachi, Ltd., Central Research Laboratory
1-280, Higashi-koigakubo
Kokubunji, Tokyo, 185-8601, Japan

for contributions to power-efficient microprocessors

Prof. Hirosuke Yamamoto

The University of Tokyo
Dept. of Complexity Science & Technology
School of Frontier Sciences, 5-1-5 Kashiwanoha
Kashiwa, Chiba, 277-8561, Japan

for contributions to source coding and information-theoretic secure coding

Wuhan Section

Prof. Shijie Cheng

Huazhong University of Science and Technology
College of Electrical and Electronic Engineering
No.1037, Luoyu Road
Wuhan, Hubei, 430074, China

for contributions to control of power systems with energy storage

IEEE HQ News & Highlights

Help Address Global Humanitarian Challenges Through "Engineering for Change"

Dear Colleague:

As you may have noticed, IEEE has initiated recently several new efforts toward humanitarian and global development challenges. This undertaking represents recognition on our part of the great potential of our members (engineers and experts in computing and technology) to provide effective assistance and leadership in regions with under-developed infrastructure, and in areas where the infrastructure was damaged by natural or human-made disasters. Many of our IEEE members have told us that they have strong interest in taking part of such activities, and we have reached out to other professional associations to explore opportunities for joint action.

I am pleased to announce that as a result of these efforts, IEEE, ASME (American Society of Mechanical Engineers), and Engineers Without Borders USA (EWB-USA) have launched jointly a new online platform called EngineeringforChange.org (E4C). The E4C platform provides engineers, technologists, computing and networking experts, non-governmental organizations (NGOs) and local community advocates with tools to collaboratively address humanitarian and global development challenges. Members of the E4C community - working together - will design, apply and share knowledge to develop technical solutions for emerging challenges in local communities throughout the world.

The E4C Web site was designed to provide users with a convenient and user-friendly way to learn, collaborate, and share data, experience, and insights - leading to enhanced problem solving. As part of this growing community, E4C users will be able to:

- Post challenges and problems in order to gain understanding, perspectives and experience from other E4C community members;
- Work collaboratively and virtually on project teams;

- Make use of a growing, open-source archive of documented solutions and related information submitted by organizations from around the world;
- Keep updated with news and information related to the forefront of engineering and global development;
- Learn from expert practitioners on applying engineering in developing communities;
- Track projects of interest.

We are inviting you today to join the E4C community and share information and expertise on humanitarian projects that match your professional profile.

To learn more and become an active participant in this important initiative, visit the Engineering for Change Web site, the E4C [Facebook](#) page or [Twitter feed](#).

Sincerely,

Moshe Kam
IEEE President and CEO

IEEE Educational Activities Board (EAB) 2011 Award

IEEE Educational Activities Board (EAB) Awards recognize and honour individuals and companies for major contributions to engineering and technical education. Awards are given for meritorious activities in accreditation, continuing education, educational innovation, pre-university education, standards education, service to the IEEE EAB, employee professional development, informal education systems, and related achievements that advance the practice of engineering and of engineering education.

Nomination Deadline – 30 April

Meritorious Achievement Award in Accreditation Activities - Nominee must be a current IEEE Member. The award consists of US\$1000, a brass and walnut plaque and up to US\$2000 in travel expenses to receive this award.

Meritorious Achievement Award in Continuing Education - Nominee must be a current IEEE Member. The award consists of US\$1000, a brass and walnut plaque and up to US\$2000 in travel expenses to receive this award.

Meritorious Achievement Award in Informal Education - Nominee must be a current IEEE Member. The award consists of US\$1000, a brass and walnut plaque and up to US\$2000 in travel expenses to receive this award.

Major Educational Innovation Award - Nominee must be a current IEEE Member. The award consists of US\$1000, a brass and walnut plaque and up to US\$2000 in travel expenses to receive this award.

Pre-University Educator Award - Nominee must be a current pre-university classroom teacher. The award consists of US\$1000, a brass and walnut plaque and up to US\$2000 in travel expenses to receive this award.

Meritorious Service Citation - Nominee must be a current IEEE Member who is a past member of EAB or current or past member of an EAB Committee, but not a current voting member of the EAB Awards and Recognition Committee. The award consists of a brass and walnut plaque and up to US\$2000 in travel expenses to receive this award.

Standards Education Award - Nominee must be an individual, company, or organization that has made a significant contribution in the area of education on technical standards. The award consists of a plaque and up to US\$2000 in travel expenses to receive this award.

Employer Professional Development Award - Nominee must be an organization employing IEEE members. The award consists of a brass and walnut plaque.

Society/Council Professional Development Award - Recognizes IEEE Societies or Councils for major contributions to the professional development of its members through outstanding products, services and support in the areas of life-long learning, continuing education and professional development. The award consists of a brass and walnut plaque.

Section Professional Development Award - Recognizes an IEEE Section for major contributions to the professional development of its members through the provision of outstanding products, services and support in the areas of life-long learning, continuing education and professional development. The award consists of a brass and walnut plaque.

For more information visit EAB Awards Nominations web page: <http://www.ieee.org/eab-awards> or, Email: eab-awards@ieee.org

Supavadee Aramvith, Ph.D.
R10 Educational Activities Coordinator

A Message for the

Newly Elected IEEE Geographic Unit Officers

On behalf of the Member and Geographic Activities (MGA) Board, I would like to recognize and express our appreciation to you for the commitment of your valuable time and skills to IEEE. Recognizing the fact that IEEE is a diverse organization with many resources, I would like to take this opportunity to provide you with references that will help you in the coming year as you fulfill the functions of your volunteer officer position.

The IEEE Center for Leadership Excellence was created to meet the needs of IEEE geographic unit volunteers. It provides the materials to enable you to effectively accomplish your administrative tasks.

If you have not done so already, please visit Resources for Geographic Unit Officers web page. This page includes information on the following items:

Sections Congress 2011: Sections Congress is the triennial event that provides IEEE Section leadership with the opportunity to increase their leadership skills and working knowledge of IEEE.

Required Reporting: Explains which reports are required from your unit with links to the necessary forms.

Letter to Employer: A letter of commendation for your volunteer activity to be sent to your employer.

You are strongly recommended to review the MGA Operations Manual. This document provides a summary of the MGA Mission, Vision and Goals. Section 9 provides operational guidelines and requirements for each Geographic Unit.

As an IEEE volunteer you are listed in the IEEE Organizational Roster. The information in this roster is provided only to those individuals with current Officer

Position or Committee appointments: The roster can be accessed using your IEEE web account. In addition, certain volunteer positions provide automatic access to SAMIEEE, the web enabled tool that allows ad-hoc querying, reporting

and down loading of IEEE's membership data. Information on the designated positions with automatic access can be viewed by clicking here. Access to this tool also requires the use of your IEEE web account.

We hope you find that these resources assist in your efforts to serve your unit and its members. If you have any questions or comments, please contact MGA Geographic Unit Support staff.

Best wishes for a successful term,

Babak Beheshti
MGA Vice Chair, Geographic Unit Operations

Call for Grant Applications: IEEE Foundation / IEEE Life Members Fund

The IEEE Foundation cultivates relationships and resources to advance IEEE's core purpose to foster technological innovation and excellence for the benefit of humanity. To fulfill its role, the IEEE Foundation awards grants to new and innovative projects and administers more than 130 funds that support a variety of educational, humanitarian, historical preservation, and peer recognition programs of IEEE units.

The IEEE Life Members Committee seeks to support programs that promote engineering to the pre-college community, the professional development of young electrical/computer engineers, the history of electrical/computer engineering, and the interest of Life members.

The next two deadlines for grant applications for new and innovative projects are 22 April and 12 September. [Submit grant applications online.](#)

The IEEE Foundation / IEEE Life Members Committee consider projects that:

- benefit humanity through the use of technology
- improve primary and secondary math and science learning
- increase active interest in engineering and science
- preserve the history of IEEE associated technologies
- tap the technological expertise of IEEE members
- demonstrate ability to be duplicated

Before submitting an application, please review the IEEE Foundation grant guidelines. E-mail questions to the [IEEE Foundation.](#)

New Member Orientation Webinars

All new higher grade IEEE members are invited to participate in a New Member Orientation Webinar session designed to help members get the most out of their membership. These live Webinars, which include a 30 minute formal presentation followed by Q&A, provide an overview of IEEE membership and access instructions for members-only benefits and services. Topics include establishing a Web account, setting up a profile on memberNet, logging into myIEEE, networking opportunities, and much more.

Visit the Welcome to IEEE Web page to register for a New Member Orientation Webinar, typically held on the fourth Thursday of each month in 2011: **24 March, 28 April, 26 May, 23 June, 28 July, 25 August, 22 September, 27 October, 22 November, and 20 December.** Webinars are held at both 9:00 AM ET and 3:00 PM ET on each day. Please e-mail Adrienne Hahn for more information.

IEEE GOLD to Host High Performance Computing Webinar

IEEE Graduates of the Last Decade (GOLD) invites IEEE members to attend an upcoming webinar:

“High Performance Computing: Thinking Big!”: Scientific computing often requires computation power beyond a single processor. Multiple processor systems are used in many applications today. The step from single and sequential scientific computing applications to multiple processor applications can be daunting. This webinar will address the issue of how scientific problems can be solved on supercomputers and will encourage big thoughts as it relates to moving scientific computing applications to a new level of computation and science. This event will be held on Tuesday, 22 March 2011, at 20:00 UTC. [Register now.](#)

Information about these Webinars can be found on the [IEEE GOLD Webinars Web page.](#)

Sections Congress Recommendations

Sections Congress traditionally serves as a forum for members to discuss their ideas about the direction of IEEE and vote on a list of recommendations for the IEEE Board of Directors to act on. Recommendations made at the 2008 Sections Congress (SC08) spurred several initiatives:

- The Member Digital Library Basic, launched in September, offers three full-text article downloads per month for a monthly fee of US\$15.
- The IEEE Center for Leadership Excellence (CLE), established in 2009, contains training materials to build professional skills and acquaint newly elected leaders with the basic goals and tasks of their positions.
- vTools.Meetings provides volunteers with online tools to assist with such administrative tasks as planning a meeting, creating a calendar of events, posting blogs, and accepting small payments online for local events. vTools.WebInABox helps volunteers easily create and maintain their Section's Web pages.
- The Rupee Project pilot program, launched last year, allows student members in India to pay their membership dues in local currency. Similar programs for students in other countries are under consideration.
- The Loyalty Program, launched in March, provides free access to five eLearning online tutorials to first-year, full-grade members, to encourage student members to become full-grade IEEE members. This year, beginning in October, IEEE plans to extend the program to first-year full-grade renewing members and offer them free access to 10 tutorials.
- In an effort to implement similar benefits across all Regions, the IEEE Job Site has been expanded to include postings for jobs in Australia, India, and Singapore, and several IEEE discount programs have become available to more IEEE members. The IEEE Financial Advantage Program includes a range of discounts on products and services for the home, school, and office.

All recommendations are to be submitted prior to 15 May 2011 via R10 Congress Coordinator [Deepak Mathur](#) and should focus on how the member experience can be enhanced. Additional information will be posted on the [SC2011 Web page.](#)

IEEE R10 Councils & Sections News and Highlights

IEEE Calcutta Section

INDICON 2010

2010 IEEE Annual India Conference (INDICON) was organized by IEEE Calcutta Section jointly with IEEE India Council in December 17 – 19, 2010 at Jadavpur University, Kolkata, India. INDICON has been the flagship conference of IEEE India Council in the field of Computer Science and Engineering, Electrical Engineering & Electronics and Communication Engineering, in general, since 2004, which originated by reformation of the earlier Annual Convention and Exhibition (ACE) of IEEE India Council.

INDICON 2010 was in its 7th year and having received overwhelming response from various spheres, INDICON has already attained an image of its own.

This Conference was dedicated to the great Indian Scientists Sir J C Bose and Sir C V Raman who worked from Calcutta.

“Green Energy, Computing and Communication”, was conceived to be the theme of the conference as Green technology has been felt to be the need of the hour, but the scope was not limited to the theme only.

INDICON 2010 got a overwhelming response from the academia as well as Industry as 445 papers were initially submitted. Based on the constraints and standard processes, only 171 papers were finally shortlisted for oral presentation through 3 tracks and 33 technical sessions of one and a half hour to two hour duration.

Professor Kalyan K Mallik, Conference Chair and Chairman IEEE Calcutta Section, welcomed all dignitaries and participants to INDICON 2010. Professor Debesh Kumar Das, SMIEEE, Minister In Charge Department of IT, Government of West Bengal, was the chief guest where Professor Ajoy Kumar Ray, Vice Chancellor Bengal Engineering and Science University (BESU), Shibpur, General Chair, and Prof. K. Rajgopal, Indian Institute of Science, Bangalore, Chairman IEEE India Council, addressed on the occasion. Professor Ashoke K Barua, Chairman, National Solar Mission, Government of India, delivered the Keynote Address on ‘Climate Changes and Role of Green Energy’.

Three eminent scholars, Professor Partha Pratim Chakroborty from IIT Kharagpur, Dr. Sudhir Dixit from H.

P Lab Bengaluru and Professor V. Ramgopal Rao from IIT Bombay, delivered Plenary Lectures, on ‘Design Verification of Hardware and Embedded Systems: Challenges and Trends’, ‘Simplified user interaction accelerates ICT adoption’, and ‘Convergence of Bio-Nano-Information Technologies in the More than Moore Era’, respectively.



In addition to this, there were invited lecture sessions by three distinguished speakers, Professor Sanghamitra Bandyopadhyay from Indian Statistical Institute Kolkata, Dr. Ranavir Bose from Fujitsu Network Communications, Texas and Professor Sudip Mazumder from University of Illinois Chicago. They delivered excellent talks on, ‘Advances and Challenges in Computational Biology’, ‘Energy Sustainability for Telecom Service Providers - Economics, Regulations and Standards’, and on ‘Advanced Power Electronics for Green Energy Systems’, respectively.

There were pre-conference tutorials along with WIE, GOLD and Student Activities joint program as integral parts of INDICON 2010. Professor Ramalatha Marimuthu, IEEE R-10 WIE Coordinator, graced the WIE, GOLD and Student Meet as Chief Guest.

Besides this an exhibition was conducted as part of INDICON 2010 where M/s Intech Infonet, the Platinum Sponsor of the conference participated.

The Conference was patronized by Department of Information technology, Government of West Bengal, Jadavpur University, Bengal Engineering & Science University, and West Bengal University of Technology were the Patron Institutions of INDICON 2010.

For further details, please visit http://ewh.ieee.org/r10/calcutta/indicon2010/Indicon_2010_Report.html

Kalyan K. Mallik
Conference Chair, INDICON 2010



IEEE Taipei Section

2010 Forum on Photovoltaic Industrial Trends

The Solar Photovoltaic Industry Trends forum was held at the National Taiwan University on Dec. 31, 2010. There were 99 participants in total and most of them were from industry and academic institutions. The forum invited two plenary speakers, Dr. James CP Chen, Vice President of Solar Business Group, AUO Optronics Corporation and Mr. Luke Chang, President of Power Division, Motech Corporation, to give speeches with insights and inspiration to the audience. Several in-depth discussions as to why renewable energy and solar power application technologies should be further developed were also held at the forum. As a whole, the forum achieved the objectives of communication and experience sharing between solar industry and academics. The student participants also had a chance to have a global view about the worldwide trends of solar photovoltaic industry development. The Summer School not only offered tutorial lectures to participants, who would find them beneficial in future study and work, but also provided a platform for information exchange and intercampus collaboration. Considerable registration discounts were offered to IEEE members, thereby attracting 34 new IEEE members with this event. Overall, this was a successful event, both in terms of providing tutorial lectures for participants and promotion of IEEE.



2011 R10 Distinguished Lectures Workshop

2011 R10 Distinguished Lectures Workshop was held in the afternoon on January 14, 2011, at the EE Building 2 of National Taiwan University (NTU) in Taipei. At the workshop, distinguished speakers from R10 EXCOM and local IEEE Section were invited to deliver speeches, including Profs. Yong Jin Park, Zhisheng Niu, Marzuki Khalid, Jhing-fa Wang, Ruey-Beei Wu and Tzong-Lin Wu. With the main theme of "Technology Excellence for Humanity", the talks widely cover networking, microwave, and artificial intelligence. There were about 60 participants, including 15 professors, 43 engineers and graduate students. The pioneering research achievements and insightful visions enriched the attendees, highlighting the IEEE principle to

advance technological innovation and excellent for the benefits of humanity.

This was the third of the R10 Distinguished Workshop Series and the first time at National Taiwan University in Taipei, after Hanoi University of Technology in Vietnam in 2009 and De La Salle University in Manila in 2010. The workshop was co-hosted by the NTU Center of Information and Electronics Technology and IEEE Taipei Section. The organizers Prof. Ruey-Beei Wu and Prof. Tzong-Lin Wu would like to thank the Department of Electrical Engineering and Communication Research Center of NTU for the administrative assistance, Taiwan Electromagnetic Industry-Academia Consortium for the organization efforts and promotion to industry and academia, Prof. Chin-Teng Lin, Chair of IEEE Taipei Section for the enthusiastic financial support, and Dr. Toshio Fukuda and Prof. Jhing-fa Wang for their efforts and contributions to workshop planning.



Prof. Sy-Yen Kuo Chair, Taipei Section 2011

IEEE Madras Section

Technical Lecture & Inauguration of Robotics & Automation Society

A meeting in association with M/s. Larsen & Toubro Ltd., ECC Division, Chennai was arranged on 30th Oct 2010 at Hotel GRT Radisson along with the inauguration of Robotics & Automation Society.

The IEEE Robotics & Automation Society was formally inaugurated by Dr. T. Thyagarajan, Chairman, IEEE Madras Section. In his addressed, he highlighted the advantages of membership in the society.

Er. S. Rajavel, Chairman, IEEE Industry Applications Society (Madras Chapter) and Executive Vice President, M/s. Larsen & Toubro Ltd, Chennai introduced the guest speaker and also spoke about the salient features of Industry Applications Society.

Er. S. Malakar, Head IT Systems, M/s. Larsen & Toubro Ltd., Delhi International Airport Ltd., delivered a presentation on "AIRPORT IT SYSTEMS" and explained about various IT systems synchronizing the functions at the airport. It was a highly educative presentation.

Dr. G. V. Rao, Chairman, IEEE Robotics & Automation Society (Madras Chapter) gave an excellent insight into Robots, their applications in various areas and also briefly highlighted about the history on evolution of Robots. His talk was highly appreciated. The talk was followed by a video presentation on Robots.

A total of 85 professional engineers from industries, educational & research institutions, and consulting organisations participated in this technical program.



Faculty Development Programme on “Advanced Controllers for Electric Drives”



The IEEE Madras Section in association with Department of Electrical and Electronics Engineering, Sona College of Technology, Salem organized a Faculty Development Programme (FDP) on the topic “Advanced Controllers for Electric Drives” on 18th and 19th January 2011. This was the 16th FDP in a series of programs aimed at improving the quality of teaching in engineering colleges in Tamilnadu. The programme was attended by 62 faculty members of colleges and universities from all over Tamilnadu. The co-ordinators of the program were Dr. N. Kumarappan, Professor, Annamalai University and IEEE Madras Section Educational Activity Chair & Excom Member, Prof. C. Easwarlal, Professor and Head of EEE, Sona College of Technology, Salem and Mrs. R. Arulmozhiyal, Senior Lecturer of EEE, Sona College of Technology, Salem.

The programme was started with an inaugural function. Prof C.Easwarlal, IEEE branch counselor, EEE department, SCT welcomed the gathering. Dr. P. Govindarajan, Principal, Sona College of Engineering, presided over the function. Dr. N. Kumarappan delivered the inaugural address.

The Resource Persons for the program were Dr. S.P. Natrarajan, Annamalai University, Dr. S. Jeevananthan, Pondicherry Engg. College, Dr. B. Hariram, Moog India Technology Centre, Dr. B. Vinod, PSG College of Technology and Prof. M. Sundaram, PSG College of Technology.

The topics covered included: Micro controllers based Electric Drives; Embedded Controller; DSP Controller in AC & DC Drives; ASIC for control of power electronics systems; PLC in Electric Drives and dSPACE Simulator. The participants were also given Demo on DSP, FPGA & dsPIC by Vi Micro Systems Pvt. Ltd., Chennai. IEEE Madras Section thanks Vi Micro Systems for the sponsorship.

The program ended with a valedictory function. Dr. P. Govindarajan, Principal, Sona College of Technology delivered the valedictory address and Mrs. R. Arulmozhiyal, Senior Lecturer of EEE, Sona College of Engineering proposed the vote of thanks.

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 various Electric Drives issues.

HR Mohan
Editor IEEE MAS LINK

IEEE Xi’an Section

The Annual Conference of IEEE Xi’an Section

The Annual Conference of IEEE Xi’an Section was held in the Liyuan Hotel, Xi’an, China on January 15, 2011. The conference was hosted by the executive member of IEEE Xi’an Section, Prof. Xinbo Gao. Prof. Haiyan Wang, Deputy Director of Northwestern Polytechnical University (NWPU) Science and Technology, gave a warm welcome speech on behalf of NWPU. Almost ninety IEEE fellows, members and student members participated in this conference.

The conference began with the report given by Prof. Jianguo Huang, Chair of IEEE Xi’an Section. He reviewed the international conferences held by IEEE Xi’an Section as well as the well-known experts invited to give lectures in Xi’an in 2010. As the Chair of IEEE Xi’an Section, he made a prospect for the IEEE Xi’an Section, hoping more and more talents would join in the IEEE Xi’an Section and contribute to the development of electrical and electronic engineering technology of Xi’an region.

Where after, Chairs or representatives from IEEE EDS Chapter, SP Chapter, CIS Chapter, Com Chapter, MTT Chapter and Computer Chapter reported their activities in 2010 and the working plans for 2011 of each Chapter respectively.

The conference ended with reports on the working plans by representatives from three Student Branches of IEEE Xi’an Section.



Prof. Chen Jianfeng
Secretary, IEEE Xi'an Section

IEEE Hyderabad Section

**Prof. Moshe Kam, 2011 IEEE President inaugurates
IEEE EXHIBITS @ BM Birla Science Centre,
Hyderabad, Andhra Pradesh, India**

IEEE EXHIBITS @ BM Birla Science Centre is supported by the IEEE New Initiatives Challenge Grant approved in February 2010.



January 23rd, 2011 was a very important day in the history of IEEE Hyderabad Section. The effort that was put in over a period of one year by volunteers of the Section resulted in grand inauguration of IEEE Exhibits by Prof. Moshe Kam. The inauguration was attended by IEEE members, invited guests from Industry, academia, schools. Prof. Moshe accompanied by Mr. Douglas Gorham, Managing Director, IEEE Educational Activities, Prof. Tariq Durrani, Vice President, IEEE Educational Activities intently paid attention to each and every exhibit that is demonstrated in the Centre. Prof. Moshe Kam declared that the exhibit area is open to the public after the ribbon cutting and traditional lighting of the lamp. He later gave a talk on “The Future of Energy” at the center’s Bhaskara Auditorium filled with enthusiasts. This was a joint event by IEEE Hyderabad Section and the BM Birla Science Center. The visiting dignitaries were presented traditional bouquets with mementos as token of appreciation.

About the IEEE Exhibits @ Exhibits at BM Birla Science Centre: BM Birla Science Centre is the only major facility in Hyderabad (India) area where pre-university students are exposed to hands-on experiments in science and engineering. The Science Centre has a floor dedicated to hands-on experiments, which is very popular with young students and their parents. During a typical academic year, groups of students from different schools (about 1000 students in a week) regularly visit this Science Centre. IEEE Hyderabad Section, in association with the IEEE Educational Activities and Region 10, initiated a program in 2010 to upgrade the hands-on exhibits at the Birla Science Centre, and add several IEEE Exhibits.

The BM Birla Science Centre is providing the exhibit floor space of about 1200sft and other infra-structural support. The IEEE contribution, and volunteer leadership during 2010 resulted in:

1. Creation of a group of IEEE volunteers, Science Centre personnel, local industry and academics, and pre-university school teachers to propose new exhibits and participate in their development (the group is called 'IEEE Forum for Science and Engineering Exhibits', or "IEEE Forum SEE");
2. Fielding of a TryScience.org exhibit, in cooperation with New York Hall of Sciences, as a stand-alone exhibit without requiring real-time internet connectivity;
3. Development and fielding of the following four modern technology interactive exhibits in association with local industry and academic institutions:
 - a) Computer Assisted Language Learning (reading and writing);
 - b) Computer Based Text-to-Speech Conversion (English and Telugu);
 - c) Virtual Physics Laboratory (with experiments in mechanics);
 - d) Learn About Eddy-currents (properties and engineering applications)

Initial development of the product at a) was done by the Tata Consultancy Services; and products at b) and c) by the International Institute of Information Technology - Hyderabad. IEEE funds were used for the conversion of the product into an exhibit and its mounting cost. Exhibit d) is an IEEE volunteer effort.



MGPL Narayana
Chair, IEEE Hyderabad
Section
<http://www.ieeehyd.org>

IEEE Malabar Subsection

Inaugural & Recent Activities



Thanks to the untiring efforts of a few senior members in this part of Kerala and cooperation from office bearers of Kerala Section, "IEEE Malabar Subsection", the first Subsection under Kerala Section, was formally inaugurated on 31-st December 2010. The efforts to start a Subsection with geographical coverage of the northern districts of Kerala, viz. Palakkad, Malappuram, Kozhikode, Wayanad, Kannur and Kasargod started as early as Dec 2009, and the Kerala Section strongly supported the move with a formal resolution in the Annual General Meeting in Jan 2010. However, the formal communication for the approval of the Subsection was received in October via an email and the member database and official confirmation in Nov 2010. The activities of the Subsection started with the IEEE day celebration on 8th Oct. Due to lack of time and communication from other districts, the activities were confined to the present headquarters of the IEEE Malabar Subsection, National Institute of Technology (NIT) Calicut. It is estimated that there are around 80 full members and 250 student members under the Subsection as per the database. Communications by email were sent to all members of the activities, but unfortunately the response was not very encouraging. The cooperation of a few Student Branches in this area, particularly the oldest Student Branch in Kerala, NIT Calicut Student Branch, MES College of Engg Kuttippuram, Vimal Jyothi Engineering College Chemperi and MEA College of Engg Perinthalmanna was the silver linings in the darkness. The lecture meetings conducted by IEEE Malabar Subsection within short span of time available till 31st Dec 2010 are listed below

1. 8th Oct 2010 **IEEE Day 2010 "IEEE and its activities"**
Speaker: Dr Lillykutty Jacob, Dean(FW), NIT Calicut
2. 23rd Dec 2010 Technical talk "**PWM Inverters for Voltage Source Inverters**" by Dr Rijil Ramchand, Asst. Professor, Dept. of Electrical Engg., NIT Calicut
3. 28th Dec 2010 Technical talk "**Emerging Trends in Power System Protection**" by Er. Asokan O, Chief Engineer, Transmission, KSEB
4. 30th Dec 2010 Technical talk "**Model-free approach to Modelling of Systems**" by Prof K P Mohandas, Dept. of Electrical Engg., NIT Calicut
5. 31st Dec 2011 **Inaugural function**, addressed by Prof Sukumaran Bhaskaran, IIM Kozhikode. Speech by Prof V K Damodaran representing Kerala Section

All talks were well attended by the members including student members of IEEE and other graduate and undergraduate students. Typically 50 to 60 people attended each program and refreshments were provided.

The Subsection was inaugurated by Prof. Sukumaran Bhaskaran (Visiting Professor, Strategic Planning, Indian Institute of Management Kozhikode) in a grand function held at NIT Calicut. Prof. V. K. Damodaran, Senior Member, IEEE and the former Additional Secretary, Science and Technology, and Director, Energy Management Centre, spoke on the occasion representing the Kerala Section. It was followed by the AGM of the Subsection. Branch Counselors and student representatives from MES College of Engg Kuttippuram, Vimal Jyothi Engineering College Chemperi, MEA College of Engg Perinthalmanna and NIT Calicut presented their annual reports. Mr. Shone Jose, Vimal Jyothi Engg. College, Kannur and LINK Hub driver gave a presentation on the LINK project. The slate of office bearers were presented in the meeting and got approved by the members. Around 45 members attended the AGM. The meeting was concluded with a dinner.

Dr K P Mohandas

Chair, IEEE Malabar Subsection

IEEE Gujarat Section

IEEE SMC Society Chapter Starts a Campaign on Emerging Technologies

The SMC Society Chapter of IEEE Gujarat Section, in its pursuit of doing something differently, initiates a campaign on Emerging Technologies within Gujarat. Under this campaign the Chapter plans to visit most of the engineering colleges in Gujarat and outreach companies too. The expert speakers on various emerging technologies of 21st Century will deliver talks on appropriate topics. Meeting with local companies and industry professionals will also be one of the objectives. This modus operandi will help the Chapter to increase its member base in the region. This educational campaign is supported by R10 EAC.

The first talk of this series was organized on 28 August, 2010 at the Faculty of Engineering Marwadi Education Foundation Group of Institutions, Rajkot-Morbi Highway, Rajkot (Gujarat). Prof. Roy gave the technical talk on "Emerging Technology – Nanoelectronics" to excite the students and faculty of this newly built college. The talk started with a brief introduction of IEEE and its SMC society. It is a society of professionals working in the areas such as Distributed Intelligent Systems, Intelligent Systems, Industrial Applications, Intelligent Power and Energy Systems, Intelligent Transportation Systems, Medical Mechatronics, Robotics, Intelligent Learning in Control Systems, System of Systems, Pattern Recognition, Soft Computing, HCI, Machine Learning, Cognitive Computing, Pervasive Systems, etc. under its scope. SMC society also publishes three journals in the name of IEEE Transactions on SMC (part-A, part-B, part-C). For more detail, pl visit the website www.ieeesmc.org.

The talk was attended by over 200 students and faculty from the same engineering college. A few came to attend the talk from Atmiya College and B H Gardi College, Rajkot. This event was closed by a note of thanks by Prof. R B Jadeja, the acting Dean of the Faculty of Engineering, Marwadi Education Foundation, Rajkot followed by lunch. We expect that it will enhance the opportunity of growth in IEEE membership.

Dr. Anil K Roy, 2010 Chair SMC Society Chapter of IEEE Gujarat Section

News from WIE Affinity Groups

IEEE India

WIE – GOLD – STUDENTS' MEET 2010

IEEE (India) – WIE – GOLD – STUDENTS' MEET (MEET 2010) was organized by the members of WIE, GOLD and Student Branches of IEEE at Calcutta Section at Jadavpur University campus on 17th December 2010, as part of 2010 Annual IEEE India Conference INDICON 2010.



About 55 participants from all over India along with 30 IEEE members, guests and speakers attended this event. Prof Ramalatha Marimuthu, Global IEEE WIE coordinator graced the occasion by her august presence as the Chief Guest of this function. The meeting started with a welcome address by Prof. Kalyan K. Mallik, Chair IEEE Calcutta Section. Prof. Nabanita Das, Chair WIE Affinity group of Calcutta Section highlighted the global and Indian scenario on gender barrier present in engineering education and engineering workforce with recent data. She presented some glimpses of the social activities on Science and Computer awareness, organized by WIE AG, IEEE Calcutta Section, for the benefit of engineering students with special emphasis on girl students, school children, under privileged children and mothers of women engineers. Prof. Das also recollected the memories when this WIE group of Calcutta Section was awarded the Best WIE Affinity group of the year award for 2007. Similarly, Dr. Jamuna K. Sing, Chair, GOLD Affinity group of the Section presented the major activities to the audience. This was followed by a report from Prof. Bhaskar Gupta, Chair Students' Activities who listed the important events conducted at various Student Branches affiliated to Calcutta Section. Student Branches of ISM Dhanbad, NIT Rourkela and NIT Silchar were cited as very active branches in this geographical territory. In his talk he congratulated Mr. Sayantan Dhar, Chairperson of Student Branch of IEEE at Jadavpur University who won the second prize at M.V. Chauhan Student Paper Contest 2010 organized by IEEE India Council. Prof. Gupta also congratulated Mr. Sujoy Mukherjee for bagging the best Student Poster Award globally awarded by IEEE on "History of Electronics". Dr. Ayush Gupta, Chair, GOLD, IEEE Delhi Section, reported



the activities of GOLD affinity group at Delhi Section. Next, in the inaugural address Prof. Ramalatha presented the importance of WIE to inspire, engage, encourage and empower women worldwide- especially the need to utilize their technical skills to help under privileged women and children. She highlighted the events that have been undertaken by various Sections towards conducting technical awareness programs and acknowledged the awards won by various sections over the past few years. Her motivating lecture was really mind-touching, and surely it will encourage the young IEEE members to get involved with diverse activities of IEEE for social benefit and advancement. Finally, vote of thanks was proposed by Prof. Susmita Sur-Kolay, Vice Chair, WIE, IEEE Calcutta Section.

Following the inaugural session, there was a panel discussion on 'Entrepreneurship and Engineers in India' moderated by Prof. Sujit K. Biswas of EE Department at Jadavpur University. Five entrepreneurs from India and abroad shared their experiences with the audience in a very interactive way- that says entrepreneurship is lucrative for people who loves freedom but the path is not made of roses. They also insisted that the mindset of the society against entrepreneurship should be changed. It was also highlighted that women engineers have ample opportunity in entrepreneurship with flexible duty hours. Also, entrepreneurship gives the opportunity to serve the society in a great way. The CEOs participated include Mrs. Alakananda Rao, Mr. Animesh Mukherjee, Mr. Diptendu Dutta, Mr. Probal Sengupta and Prof. Subhashis Majumdar. The panel discussion was full of interactions and it is hoped that it will be an eye opener for the students and young engineers.

After the panel discussion, a short open house session on Career Development followed. It was chaired by Mrs. Archana Rai Law of Wipro Technologies. In her presentation the speaker stressed upon the individual judgment for selecting a career option. Students should follow the path that may offer them satisfaction. She also mentioned the necessity of co-curricular and extracurricular activities in one's career. The session was full of interactions and participants were greatly benefited from this enlightening talk.

The meeting was concluded with lunch arranged for all attendees.

We wish that this event turns out to be an annual event along with INDICON in the coming years.

S. Sankaralingam
IEEE Calcutta Section



IEEE R10 Student Branches News and Highlights

IEEE Australia and New Zealand Student Congress 2010

Armed with enthusiasm, but with no precedent to guide them, 59 Australian and 16 New Zealand student members converged in Melbourne during 24 to 26 November for the inaugural IEEE Australia and New Zealand Student Congress (ANZSCON). The event was highly significant not just because it was the first of its kind for Australia and New Zealand, but also because for most of the attendees, it was their first time ever meeting counterparts from other universities. They certainly made the most of it, exchanging and discussing many ideas and getting to know each other over the two-and-a-half days.



Joe Lillie, ANZSCON 2010 Chair Julia Gibney and 2011 IEEE President-Elect Gordon Day make the first cut of the ANZSCON cake

Enlightening Speakers

The first ANZSCON was gifted with a range of intriguing and inspiring speakers. Collectively, they comprised a programme that enlightened Congress attendees to issues in engineering that are highly topical and the value of IEEE membership.

Professor Rod Tucker of University of Melbourne gave a presentation on the future of broadband, the possibilities it brings to technology for humanity, and his assessment of future broadband network deployments. It is a highly topical issue, with the proposed National Broadband Network being

a hot political topic in Australia. Frank Smit of Dyne Industries presented his take on how Australia and other developed nations would keep up with rapidly developing nations such as China, in the face of their mass-manufacturing prowess.

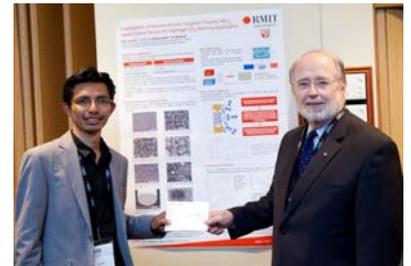
ANZSCON in Melbourne also hosted long-time influential IEEE volunteers Joe Lillie, Darrel Chong, 2011 President-Elect Gordon Day, and Region 10 Humanitarian Technology Council Co-ordinator Amarnath Raja.

For a corner of the world that doesn't often get the opportunity to explore perspectives from abroad, it was a superb opportunity for members to see what the IEEE does around the world.

Competitions

Two competitions were held for ANZSCON attendees. The first was a three-minute thesis competition. These competitions have been rising in popularity in universities around the world, where postgraduate students have three minutes to explain their thesis with the aid of just a single projector slide. John Quinn from Central Queensland University took this competition out.

The second competition was a project/poster display competition, which was held on the second day. Students presented projects they had worked on—generally the research project that students complete in their final undergraduate year—in a display that ran in parallel with the breakout sessions. The project competition was extremely close, with just three points (between 176 and 179 out of 200) separating the top three places. The winner of this competition was Hanif Yaacob from RMIT University in Melbourne.



Employer Forum

Concurrently with the project/poster display competition, seven employer representatives from various engineering industrial sectors were on hand to answer questions students had about employment opportunities in their respective



ANZSCON attendees and speakers in a group photo

fields. Judging by the stream of students queuing up to pose questions to individual representatives, it can be said that it was a great success.

GINI – Global Integration Network for IEEE students

Being the first time ever that this many students in Australia and New Zealand had gathered in a single place, it was an obvious moment in which to initiate the GINI network for this area. To this end, University of Auckland Student Branch Chair and outgoing GINI Co-ordinator Chuan-Zheng Lee presented the concept on the first afternoon about the possibilities it embodies, and ran a student forum on the second afternoon. The forum was well-attended and involved some intense discussion with many members contributing ideas. The result was a new GINI Co-ordinator, Amit Pandey from the University of Auckland, who will convene online discussions between Student Branches, and a number of volunteers excited to start co-organising events with neighbouring Student Branches.

Women in Engineering

A Women in Engineering forum was held on the second day. It was extremely well-received with 25 attendees. Some of the attendees were from local universities and engineering companies from outside the Student Congress. They took the time out of their busy day to meet and interact with fellow Women in Engineering colleagues. The session was hosted by Dr Irena Atov, the current Committee Chair for IEEE Women in Engineering. She presented an inspiring speech on how to get the most out of your career and to be proud of being a Woman in Engineering.

Networking

There was more to ANZSCON than just the formal programme. The 75 ANZSCON attendees embraced the idea of networking with their counterparts from other universities and from across the Tasman. The evening functions, which included a cocktail function the night before the first day, and a formal dinner after the first day, helped to encourage this inter-Branch interaction, and the result was what may well be the beginning of an Australian and New Zealand IEEE student network.

Closing remarks

General feedback from the ANZSCON attendees was epitomised by comments such as, “it was an excellent event – would definitely attend the next one!” The program was informative and ran very smoothly (on time for the entire event!) and the attendees gained a lot from the speakers and from meeting their trans-Tasman counterparts. Credit is due to the Melbourne organisers, and in particular ANZSCON 2010 Chair Julia Gibney of RMIT University, not only for pulling together the first ever event of its type, but for making it so successful. So keen were the attendees that there was ample talk of continued friendships and an ANZSCON 2011. Not bad for a first gathering of Australian and New Zealand student members!

**Chuan-Zheng Lee and Julia Gibney
Vice-Chair and Chair, ANZSCON 2010**



IEEE Pakistan Students Congress 2010

The highlight of IEEE in Pakistan, the Pakistan Student Congress 2010 (PSC'10) was a three day mega-event, having participation of IEEE Karachi, Islamabad and Lahore Sections. The Pakistan Students Congress (PSC) is an annual gathering of IEEE student members from all over Pakistan to network with other members, attend training programs and learn and participate to polish themselves as better engineers and volunteers. This time PSC was replete with workshops, competitions, networking opportunities, industry-academia commitments and fun. From 29 to 31 October 2010, IEEE Usman Institute of Technology Student Branch played host to this event. This year the theme was Engineering, Research and Innovation for fostering Industry, and was adhered to in meetings, seminars and other commitments.



Day one started with introductory speeches by IEEE UIT Chair and other dignitaries. This was followed by steaming tea and networking between students. The annual joint Executive Committee Meeting of IEEE Karachi, Islamabad and Lahore Sections ended the day with anticipation for a busy next day.

The second day began with IEEE Karachi, Lahore and Islamabad Section Chairs' addresses to the audiences, with their yearly campaign of activities and pledges for a more rewarding and active year. The next session was Campus Conversation, with a panel of five highly competent industry professionals in electrical, electronics, IT and software disciplines. These luminaries spoke for a large segment of the engineering industry. The session was a great mixture of activity, an expert panel, and an inquisitive audience. The two-hour long session concluded with individual commitments made by each of the panel member relating to students' internships, projects, jobs and research plans.



After the absorbing session and lunch, theme talks were delivered by Dr Irfan Haider, Engineer Tahir Saleem and

Mr Roland D'Souza, gripping the listeners with the new and emerging technology trends and various projects that linked with the PSC'10 theme.

IEEE Student Ethics Competition was another part of the Congress, where an engineering case study with an inherent ethical dilemma was given to the teams, with an allotted time to deliberate on the case study and develop their stand on the issue, isolate the ethical problem(s) and propose strategies to better handle the situation. Finally they had to deliver an oral defence presentation outlining their stance and solutions followed by Q&A with the judges. There was a fierce competition between Bahria University Islamabad, FAST Karachi and other universities, with the team from Bahria University eventually notching the top spot.



In parallel, the Women in Engineering (WIE) session was organised by the Pakistan WIE Forum. This event brought out the best in the budding female engineers of Pakistan, having participation from Government College University Lahore, FAST Islamabad, Bahria University Islamabad, NED Engineering University Karachi, Pakistan Navy Engineering College (PNEC) Karachi, JUW Karachi, and other WIE Affinity groups across the country. The session encompassed an address by Nimra Kazmi, Ex-Chair WIE PNEC, video conference with Durdana Habib of Pakistan WIE Forum, and an activity of planning events for a year.

The second day also brought about other competitions including Circuit Designing, Programming and Gaming. A certified trainer Mr Usama Wahab, from Microsoft delivered a workshop to aspiring software developers. This workshop also registered an engaging audience, eager to learn the software secrets. The day closed with a musical night and dinner that was enjoyed by students with a concert by local pop groups and singing talent.

The last day began with a fresh start, as the SB Chairs across Pakistan delivered Branch presentations and told the audience about their achievements and goals, notably SEECS, Bahria, EME, GCUL, GCUF, UoS, IIEE, PNEC and others.

This was followed by an interactive presentation by Rakesh Gopchandani on 'How to make an Unsuccessful Final Year Project', outlining the dos and don'ts for an FYP, receiving prompt feedback from an engaged audience. Later, a one-to-one Q&A session with the audience was held on the graduate studies opportunities for engineers in the US with the two member panel comprising of Mr Vikash Khatri and Mr Rakesh Gopchandani. The last activity before lunch was video conference with R10 RSR, Om Perakash Batra, who, in

his usual jolly mood, was happy to talk to his home Section crowd.

A seminar by Shireen Naqvi of School of Leadership on the Spirit of Volunteerism was a highlight in the second half of the day. Ms Naqvi hit out on the bitter realities of the life, receiving tremendous acclaim from the audience. The GINI session, managed by Ravendar Lal, GINI Coordinator and Vice Chair Karachi Section GOLD, on the complete overview of the Global Integrated Network of IEEE Students (GINI), and Muhammad Saad, Karachi Section SAC Chair and Pakistan Representative GINI Industry Relations, on the Industrial Relations (IR) facet of GINI. Together, they outlined how this pilot project has already successfully revived dormant SBs, working to collaborate with industry for students and networking SBs with each other.



The entire three-day event culminated with an awards ceremony and refreshments. Students exchanged heart-felt commitments to keep in touch with each other, and promises to work for their personal development as well as for engineering and technology for the larger interest of humanity.



Full details of the event are available at www.psc10.com

Hassaan Idrees
SAC Chair IEEE Karachi Section

Upcoming IEEE Conferences in Region 10

2011 16th Opto-Electronics and Communications Conference (OECC) 04 - 08 Jul 2011

Conference Location: Kaohsiung, Taiwan
Sponsored By: Communications Society - COM, Photonics Society - PHO
Abstract Submission Deadline: 18 Mar 2011
Final Paper Submission Deadline: 18 Mar 2011
www.oecc2011.org

2011 3rd International Conference on Industrial and Information Systems (IIS 2011) 10 - 11 Jul 2011

Conference Location: Nanjing, China
Sponsored By: Industry Applications Society - IA
Abstract Submission Deadline: 15 Apr 2011
Final Paper Submission Deadline: 01 Jun 2011
www.iis2011.net/

2011 Third Pacific-Asia Conference on Circuits, Communications and System (PACCS) 17 - 18 Jul 2011

Conference Location: Wuhan, China
Sponsored By: Circuits and Systems Society - CAS
Abstract Submission Deadline: 01 Apr 2011
Final Paper Submission Deadline: 01 Jun 2011
www.pacssconf.org/

2011 3rd Asia Symposium on Quality Electronic Design (ASQED 2011) 19- 20 Jul 2011

Conference Location: Kuala Lumpur, Malaysia
Sponsored By: Circuits and Systems Society - CAS, Components, Packaging and Manufacturing Technology Society - CPMT, Reliability Society - R
Abstract Submission Deadline: 04 Apr 2011
Final Paper Submission Deadline: 06 Jun 2011
www.asqed.com

2011 International Conference on Photonics, Power and Intelligent System (PPIS) 23 - 24 Jul 2011

Conference Location: Beijing, China
Sponsored By: Photonics Society - PHO
Abstract Submission Deadline: 15 Jun 2011
Final Paper Submission Deadline: 20 Jun 2011
iser-association.org/PPIS2011/

2011 International Conference on Multimedia Technology (ICMT) 26 - 28 Jul 2011

Conference Location: Hangzhou, China
Sponsored By: Nanjing Section GRS Chapter
Abstract Submission Deadline: 15 Apr 2011
Final Paper Submission Deadline: 10 Jun 2011
www.icmtconf.org

2011 International Conference on Control, Automation and Systems Engineering (CASE)

30- 31 Jul 2011
Conference Location: Singapore, Singapore
Sponsored By: Circuits and Systems Society - CAS
Abstract Submission Deadline: 10 May 2011
Final Paper Submission Deadline: 01 Jul 2011
www.etp-conference.org/case2011/

2011 IEEE International Workshop on Electromagnetics; Applications and Student Innovation (IWEM) 08 - 10 Aug 2011

Conference Location: Taipei, Taiwan
Sponsored By: Antennas and Propagation Society - AP, Taipei Section AP Chapter
Abstract Submission Deadline: 31 Mar 2011
Final Paper Submission Deadline: 31 Mar 2011
web.oit.edu.tw/iwem2011/

2011 IEEE International Conference on Granular Computing (GrC-2011) 11- 13 Aug 2011

Conference Location: Sapporo, Japan
Sponsored By: Computer Society - C
Abstract Submission Deadline: 01 May 2011
Final Paper Submission Deadline: 10 Jun 2011
db1.csse.muroran-it.ac.jp/~grc2011/index.htm

2011 IEEE International Conference on Automation and Logistics (ICAL) 15 - 18 Aug 2011

Conference Location: Chongqing, China
Sponsored By: Robotics and Automation Society - RA
Abstract Submission Deadline: 01 May 2011
Final Paper Submission Deadline: 30 Jun 2011
2011.ieee-ical.org

2011 6th International Conference on Industrial and Information Systems (ICIIS) 16 - 19 Aug 2011

Conference Location: Kandy, Sri Lanka
Sponsored By: Kharagpur Section, Sri Lanka Central Region Subsection, Sri Lanka Section
Abstract Submission Deadline: 01 May 2011
Final Paper Submission Deadline: 20 Jul 2011
www.pdn.ac.lk/eng/activities/iciis/2011/

2011 7th International Conference on Emerging Technologies (ICET) 05 - 06 Sep 2011

Conference Location: Islamabad, Pakistan
Sponsored By: Islamabad Section
Abstract Submission Deadline: 15 Apr 2011
Final Paper Submission Deadline: 30 Jul 2011
icet.seecs.nust.edu.pk/

2011 IEEE International Conference on Quality and Reliability (ICQR) 14 - 17 Sep 2011

Conference Location: Bangkok, Thailand
Sponsored By: Hong Kong Section TMC Chapter, Singapore Section TMC Chapter, Thailand Section TMC Chapter
Abstract Submission Deadline: 01 Apr 2011
Final Paper Submission Deadline: 15 Jun 2011
www.icqr.org

2011 IEEE/IFIP 19th International Conference on VLSI and System-on-Chip (VLSI-SoC) 03 - 05 Oct 2011

Conference Location: Kowloon, Hong Kong
Sponsored By: Circuits and Systems Society - CAS, Council on Electronics Design Automation - CEDA
Abstract Submission Deadline: 04 Apr 2011
Final Paper Submission Deadline: 11 Jul 2011
www.ee.cuhk.edu.hk/vlsisoc2011/