

Message from Director



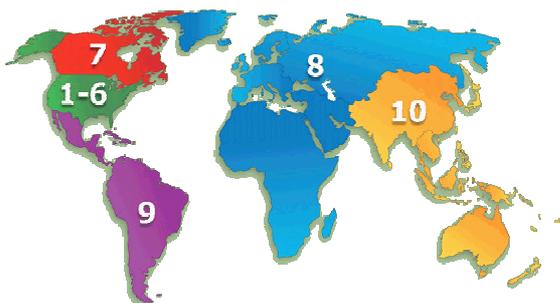
I am very honoured to be elected an IEEE Director for the IEEE Region 10 (Asia Pacific) and to be the first woman ever to serve in this position in the forty years history of Region 10. I would like to thank you all for the trust put in me and I hope I would be able to follow in steps of my distinguished predecessors.

Our Region with over 67,000 members is now the biggest in the world. Our membership has doubled every ten years since its creation on 1 January 1967. It means that in 2017 we may reach over 130,000 members. We have more than 26,000 student members; the highest number of all the Regions. We also have the highest proportion of female members. Our Region is a very special one indeed!

The main characteristics of the Asia-Pacific Region are a very rapid growth and diversity.

Our members come from highly developed countries like Japan, of high income per capita, and from developing countries like Bangladesh, of low GNP per person. A vibrant and active IEEE organisation can assist us all to achieve life goals and enhance status of our profession no matter where we live and work.

I am really proud to be an IEEE member, a member of the biggest non-profit, technical professional association of more than 365,000 members in 150 countries. As you all know through its members, the IEEE is a leading authority in technical areas ranging from computer engineering, biomedical technology and telecommunications, to electric power, aerospace and consumer electronics, among others. Through its technical publishing, conferences and consensus-based standards activities, the IEEE produces 30 percent of the world's published literature in electrical engineering, computers and control technology, holds annually more than 300 major conferences and has more than 860 active standards with 700 under development. IEEE publishes 18 of the top 20 journals in the field of Electrical and Electronic Engineering; 9 of the top 10 journals in Telecommunications; 8 of top 20 journals in Computer Science & Software Engineering; and high-



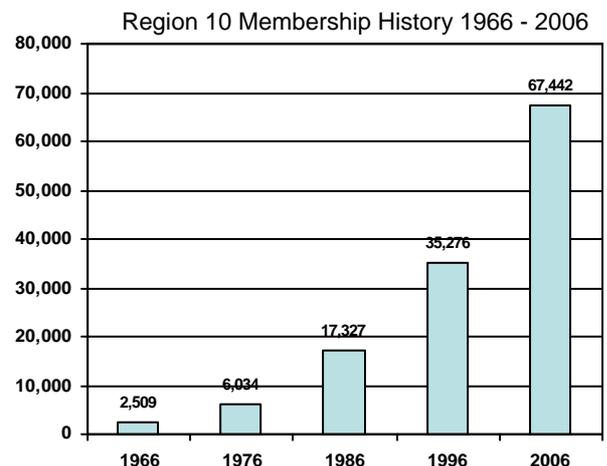
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ranking journals in several additional fields of technology.

The IEEE vision to advance global prosperity, to foster technological innovation, to enable members' careers and to promote worldwide community has captured our minds and our hearts. That is why we have joined IEEE. I hope that together we will be able to make this vision more real in the Asia Pacific Region.

Janina Mazierska



Summary Report of Professor Seiichi Takeuchi
Region 10 Director 2005-2006

**Filling Up the Missing Jigsaws in the IEEE
Volunteer Family - Forming More IEEE Sections
in China**



Region 10 is the fastest growing Region and with very different cultures. The membership development potential is huge and it was my target to strengthen the region membership development in my term of director. With China joining the World Trade Organization and emerging quickly in the world stage, there is a great potential in membership growth. A proposal to set up an IEEE office, among others initiatives is to back up the volunteer teams in China, was drafted and submitted to IEEE Board of Director for consideration in 2005. Subsequently, HQ decided to go ahead and a delegation was formed to plan and set up a new IEEE Office in Beijing.

In 2006, four teams of HQ VIP delegates visited Beijing, Xian, Chongqing, and Guangzhou. All delegates then gathered together in Shanghai to convene the Executive Committee in April 2006. The meeting confirmed the accord of importance and priority in the promotion of IEEE in mainland China.

I have also taken the initiation to conduct the two summer Promotion Visits by R10 key officers to visit Beijing, Xian, Dalian, Chengdu, Wuhan, Harbin, Nanjing, Shanghai in 2005 and 2006. Cocktail receptions, meetings and seminars were organized during the visits in order to exchange thoughts and ideas in regard to the setting up of local Sections with local volunteers and members. A bit in surprise, most members indicated that this was their first chance contacting with IEEE despite having joined IEEE for many years.

During the Visits, we have collected the following major issues from members:

- a) IEEE has to be visible by organizing more technical conferences and seminars.
- b) Expedite formation of more Sections in major cities.
- c) Promoting more IEEE activities at local, regional or higher level meeting.
- d) More mutual communications between local volunteers and IEEE HQ.
- e) Better coordination of membership development in all major cities.
- f) Providing more supports from IEEE HQ in administration, e.g. bank account, training to volunteers.

In July, R10 also organized the 3rd R10 Student Congress and the 1st GOLD Congress in Beijing. The Student Congress was well supported by 132 Student Branch Chairs or representatives, 87 of them were oversea delegates and 45 were students from China. Including the 2006 IEEE President Michael Lightner VIP and volunteers, the total number of delegates participating in the Student Congress was 220. The 1st GOLD Congress was also organized in conjunction with the Student Congress and was attended by

17 GOLD leaders. Both events are considered to be a great success.

It is my honor to serve as the R10 Director in 2005 to 2006. With all the hard works of R10 delegations, I am most proud of the establishment of new Chengdu Section, Harbin Section, and the elevation of Xain and Shanghai Subsections to Sections. Two more new Sections are to be formed in Nanjing and Wuhan and RAB is currently processing the petitions. With the strengthening of local volunteers support, more and more engineers and academia would be joining the IEEE in China. I am sure that IEEE members and new members in China will be mutually benefited by sharing and applying knowledge of electro and information technologies and sciences to the development of humanity and the profession.

Finally I thank you all for what you have done for the IEEE.

Seiichi Takeuchi
Region 10 Director 2005-06

**Inauguration of the Vietnam Section, Hanoi, 6th
March, 2007**

6th March, 2007 marked a special day in the calendar of IEEE Region 10. The Vietnam Section was officially inaugurated at the Hanoi University Technology by Professor Janina Mazierska, Director of Region 10.

The event was held concurrently with the 5th International Conference on Research, Innovation and Vision for the Future (RIVF 2007). IEEE is a sponsor of the conference and has given strong support and participation at the conference. In addition to Professor Mazierska, the other prominent attendees to the event included Professor Nim Cheung, President of the IEEE Communication Society and Professor Jung Uck Seo, Past Director of Region 10. Both have given a keynote address each, and, Associate Professor Lance Fung, 2007 Region 10 Special Project Coordinator who gave a paper and assisted in the inauguration event.

About 50 IEEE members and RIVF delegates attended the ceremony. Professor Mazierska commenced with a vote of thanks and appreciation to Professor Nguyen Thanh Son, Foundation Chair of IEEE Vietnam Section and Vice-Rector of Ho Chi Minh University of Technology; Professor Vu Duong of EuroControl and General Chair of RIVF; Associate Professor Tru Hoang Cao, Vice-Dean of IT Faculty of HCMUT and Professor Ho Tu Bao of JAIST. Professor Mazierska then gave an overview of the History, Structure and Operation of IEEE; IEEE Region 10 and the current state of the Vietnam Section.

Professor Mazierska finished her speech with the following vision for the Vietnam Section in the next 10 years:

- Membership: 10,000 with many Senior members and some Fellows
- Three sections with IEEE Vietnam Council
- 10 Student branches, 10 WIE groups, 5 Societies, 5 GOLD groups
- Diverse activities bringing benefits to the Country, Society, Universities, Profession and Members

In response, Professor Nguyen, Founding Chair of the Vietnam Section thanked the Region 10 Director and the attendees. He also encouraged the members to work towards

the fulfilment of the vision. The meeting was then concluded with a sumptuous reception and cordial time of networking and interaction.

On behalf of Region 10, we wish Vietnam Section a great success in the coming years, contributing to the profession and the local/international communities.

Congratulation and Best Wishes of Success to the IEEE Vietnam Section!

Lance Fung, 2007 R10 Special Project Coordinator



Banner of the IEEE Vietnam Inauguration Ceremony



IEEE Directors, President and Key officers from IEEE Vietnam Section: (From L. to R.): Professor Ho Tu Bao, Professor Janina Mazierska, Professor Nguyen Thanh Son, Professor Jung Uck Seo, Professor Nim Cheung, Associate Professor Tru Hoang Cao and Associate Professor Lance Fung



Professor Nguyen thanked Professor Mazierska and encouraged the members of the Vietnam Section

IEEE Region 10 EXCOM Meeting 2007 5 January 2007

A joint meeting of R10 EXCOM 2007-08 and EXCOM 2005-06 was held on 5th January 07 at Novotel Hotel in Perth, Western Australia. The main aims for the meeting were a smooth handover from outgoing EXCOM to the incoming Executive Committee and planning for R10 activities in coming years. Professor Janina Mazierska, the new R10 Director 2007-08, officially opened the meeting and welcomed the members of R10 EXCOM. Professor Mazierska presented the Vision for IEEE R10 for 2007 and proposed the following 3 goals for R10:

- (1) Region 10 EXCOM should be very active, well informed, innovative, dedicated and efficient,
- (2) Increased roles of the R10 at the HQ level and
- (3) Increased IEEE collaboration with the industry.

She summarized her R10 wish list by 2009 as follows:

- (1) Increasing our membership by 20,000
- (2) To have IEEE to operate in one more country in R10
- (3) To increase the proportion of volunteers at the HQ level at RAB, TAB, EAB, Standards and Pubs and to increase benefits for R10 members.

The R10 Treasurer for 2005-06 Mr. Hirohisa Gambe presented the R10 2006 finance report against the approved budget. The incoming R10 Treasurer Mr. Takatoshi Minami presented a draft budget for 2007.

It was reported that R10 lost 1.1% in HG membership but gained 23.8% in Student Members by Nov 2006. Prof. Sankaran reported that US\$26,359 of R10 membership subsidies was given to Student Branches. A total of US\$1,500 of Membership Development incentives were given to Sections based on M, SM and S memberships in 2005. Professor S. Takeuchi mentioned the China Initiative that had increased memberships there. Mr Y.W. Liu reported that 4 new sections have been formed in China in supporting increment of membership in R10. Mr Tan Tieniu, the 2007 Membership Development Coordinator, mentioned that the IEEE Beijing Office is already in operation now.

All of the outgoing coordinators of various sub-committees within R10 EXCOM 2005-06 presented the progress made during their tenure and made suggestions and recommendations for the incoming coordinators to benefit from their experience. The new EXCOM 2007-08 members were also given the opportunity to present their plans for their portfolios.

The minutes of the R10 EXCOM Meeting 2007 and photographs are available on the R10 website.

Marzuki Bin Khalid
Secretary, IEEE R10

Visit IEEE Region 10 Website at:
<http://www.ewh.ieee.org/reg/10/>

SECTION - NEWS & HIGHLIGHTS

IEEE Malaysia Section & R10 EAC

Engineering Program Accreditation: New Zealand Experience

A Seminar organized by IEEE Malaysia Section

A "Seminar on Engineering Program Accreditation: New Zealand Experience" organized by the IEEE Malaysia Section, Malaysia Engineering Accreditation Council, and the Faculty of Engineering, Universiti Putra Malaysia was held on the 15th February 2007. The IEEE Region 10 Educational Activity Committee supported this seminar. The main speaker was Prof. Robert (Bob) Hodgson, School of Engineering and Technology, Massey University, New Zealand. Bob has been a member of the New Zealand Engineers Registration Board. In 2003 he joined the IPENZ (Institution of Professional Engineers New Zealand) Standards and Accreditation Board. He has also served on seven degree accreditation panels in New Zealand and three Washington Accord International Observation panels including the June 2006 Panel Observation panel to south Korea which he chaired. He has led pioneering developments that have resulted in six IPENZ and Washington Accord accredited engineering degree majors including: Information Engineering, Computer Systems Engineering and Software Engineering. A new BE major in Multimedia Systems Engineering is currently in its second year.

The half-day seminar begins at 9am with the opening speech and introduction by Dr Norman Mariun, the IEEE Region 10 Educational Activity Committee Chair and the Deputy Dean of Faculty of Engineering Universiti Putra Malaysia. The seminar was divided into 4 sessions; (i) Accreditation of Engineering Program the new Zealand Experience, (ii) Briefing to the Evaluators, (iii) Group Exercise on Learning Outcome, and (iv) Panel Question and Answer. Bob presented very well and after every session he entertained the floor for any questions.

For the panel session 4 senior accreditation assessors/evaluators from the Malaysia Engineering Accreditation Council were invited on stage to answer questions from the participant regarding issues pertaining accreditation exercise. It was a very interesting discussion and enlightening for many of the participants who are newly introduced to OBE (Outcome Based Education).

There were about 90 registered participants and about 40% of them were IEEE members. The participants included accreditation panel members from the industry representing the Board of Engineers Malaysia, and academics from various universities. The seminar ended with a group photo session and lunch at 1.00 pm.

Dr Norman Mariun, Chair IEEE R10 EAC

IEEE Seoul Section, Korea

1. Higher Membership Promotion Committee Events

2006 HMPC (Higher Membership Promotion Committee) Event was held on New Year's Eve (yes, December 31st, Sunday) at Chosun Hotel. The event consists of Award Ceremony, Special Lecture, Entertainment, and a full course

dinner, followed by informal gatherings. Last year, the same event was held at the same place on December 30th, 2005. A special achievement award was bestowed on past Region 10 Director Dr. Junguck Seo. Dr. Jin Seoug Choi, Vice-president of Hynix Semiconductor, gave a special lecture on the Present and Future of Hynix Semiconductor Corporation. For the entertainment, SBS Music Director, Jeong Taek Kim, gave 100 minute non-stop Victor Borge Show in his own version. The event was arranged by ex-Chair Dr. Kwack and 77 members, spouses, and guests joined the evening.



2. IEEE Local Chapter Chairs Meeting

IEEE Local Chapter Chairs in Korea were convened on September 9, 2006 at Marriott Hotel, Seoul. The meeting was hosted by IEEE Seoul Section Chair Jungsun Kim and Chapter Coordinator Kyun Hyon Tchah. 10 of 23 Chapter Chairs marked the first Chapter Chair Meeting in Korea and had an opportunity to understand the importance of Seoul Section's role, whose active enrollment is over 3,300, in promoting each chapter's activities.

3. 2006 Student Paper Contest

2006 IEEE Seoul Section Student Paper Contest was held on December 20, 2006 at Yonsei University. The Student Paper Contest was chaired by Student Activities Coordinator, Prof. Nak Myeong Kim, and the grand prize went to Mr. Geon Mo Ju from KAIST. The student paper contestants numbered 75 this year above expectation, which outnumbered by far that for the last year.

4. 2006 IEEE Seoul Section Annual Meeting

2006 Annual Meeting was subsequently held after the Student Paper Contest at Yonsei University. The convention was hosted by IEEE Seoul Section Secretary, Prof. Jongsoo Seo. Prof. Jungsun Kim, our Chair, presented the annual report. He emphasized that the gross enrollment increased by more than 1,000 compared to the last year due to the massive promotion towards the graduate students in several universities. Current enrollment stands to 3,297 members as of Dec. 20, 2006. At the end of the meeting, Prof. Kukjin Chun (Seoul National Univ.) and Prof. Changsung Jeong (Korea Univ.) were announced as 2007 Chair and Vice-Chair of IEEE Seoul Section.

**Prof. Kukjin Chun,
Chair IEEE Seoul Section**

IEEE Taipei Section

IEEE Taipei Section Held General Meeting and Best Impact Award (BIA) Ceremony with a big success.

IEEE Taipei Section held its General Meeting on 8th Dec 2006 in Hsinchu with more than 350 members attending the event. 15 new directors and 6 new supervisors were elected to serve two-year terms on the Board. In the General Meeting, the Best Impact Award winners, including technical professionals in industry, researchers and graduates in academia, were presented NT\$30,000 (~US\$900) each and a medal before sharing their value-creation experiences in R&D and working attitudes.

The purpose of the Best Impact Award is to encourage workers, in the industry or academia, to pursue achievements with great impact. IEEE Taipei Section called nominations and submission for the competition from April to Aug. 2006.

The definition of impact is how well the work result has been applied, used, cited, or paid. The impact could be measured by either one of the following criteria: the licensing fee and royalty of a technology, the adoption of a technology in the international standards, the usage of a technology service and infrastructure, the profits generated due to product RD and sales, the performance driven by supreme leadership and management, the citation count on published papers, the download count of released public domain software, etc.

Following a rigorous evaluation procedure, six BIA winners stood apart. Among them, three technical groups were from well known Taiwan Semiconductor Manufacturing Company (TSMC), successful start-up company on campus – the Wretch, and Taiwan's most important public-funded research body – the Industrial Technology Research Institute (ITRI) respectively. Other receipts included Chair Professor Jason Yi-Bing Lin from National Chao-Tung

Univ. (NCTU) and Chair Professor Dr. Bor-Sen Chen from National Tsing-Hwa Univ. (NTHU), both were IEEE fellows.



Six winners and the presenters of the Best Impact Award by IEEE Taipei Section held on Dec. 8, 2006.

Three scholars and one technical leader from Taiwan Were Elected to IEEE Fellowship Beginning 2007, Bringing Taiwan's Total to 55.

IEEE Fellows are internationally recognized as leading authorities in their areas. Each year the IEEE Board of Directors elects no more than 0.1% of the full members to the grade of Fellow. The Board elevated three professors and Dr. B. Paul Lin to the grade of fellow last November, bringing Taiwan's total to 55. Dr. B. P. Lin, the Chair of IEEE Taipei Section, received the honour with the following citation: *for leadership in technology and industry development of broadband information network and digital video.*

The other three honourable newly elected IEEE Fellows are Prof. Kwang-Cheng Chen from National Taiwan University for his contributions to wireless broadband communications and wireless local area networks, Prof. Kun-Shan Chen from National Central University for his contributions to remote sensing image and signal processing, and Prof. Mu-Der Jeng from National Taiwan Ocean University for his applications of Petri nets to semiconductor manufacturing automation.

**Prof. Ruey-Beei Wu
Chair, IEEE Taipei Section**

IEEE Singapore Section

Distinguish Achievements by Members

Professors Xie Lihua and Ben Chen were elevated to Fellow of IEEE with effect from Jan. 2007.

Dr Tseng King Jet was elected to be one of the 2006 Region 10 Outstanding Volunteer Award recipients by IEEE R10 Awards Committee.

A/Prof Lin Zhiping was appointed as the IEEE Distinguished lecturer for the period of 2007-2008 by IEEE Circuits and Systems Society while A/Prof Lian Yong was elected as the Region 10 VP for IEEE Circuits and Systems Society.

Dr Li Erping received IEEE Technical Achievement Award and he was also appointed as the IEEE Distinguished lecturer for the period of 2007-2008 by IEEE EMC Society.

Assoc. Prof Don Mahinda Vilathgamuwa
Singapore Section

IEEE South Australia Section

Awards and Annual Distinguished Lecture

Student Subject Prizes

The Section annually presents an award (a certificate and cheque for \$500) to a student from each university in South Australia who has demonstrated outstanding performance at a second-year subject. This program was established in 1992 to recognise and encourage excellence in the study of electrical and electronic engineering. This year Section Chair, Dr Zia Ahmed presented the prizes during the Student Paper Night on Tuesday 24 October 2006.

The recipients of the 2005 IEEE South Australia Student Subject Prizes (presented in 2006) were:

1. Dimitrios Kotsionis, The University of Adelaide
2. Lyndon Whaite, The Flinders University and
3. Darren Milligan, The University of South Australia



The IEEE SA 2005 awards winners with the Section Chair Dr Zia Ahmed.

South Australia Section Distinguished Service Award

IEEE South Australia Section established a Distinguished Service Award in 1999. The award comprises an IEEE plaque suitably inscribed.

The IEEE South Australia Distinguished Service Plaque for 2006 was presented to Professor Doug Gray in appreciation of Distinguished Service to the IEEE South Australia Section and for his outstanding contributions to Research and Education in South Australia. The award was introduced by Professor Bevan Bates, and the plaque was presented by Emeritus Professor Max Brennan AO, Chief Scientist for South Australia. The presentation was made at the 2006 IEEE South Australia Annual Dinner and Distinguished Lecture on 10th November 2006 at Stamford Plaza Hotel, Adelaide.



Prof. Doug Gray with his Distinguished Service Award

South Australia Section Distinguished Lecture

The IEEE South Australia Section Distinguished Lecture was established in 2002.

The 2006 IEEE SA Section Distinguished Lecture was delivered by Professor Ron Ekers, Foundation Director of CSIRO's Australia Telescope National Facility and President of the International Astronomical Union from July 2003 to August 2006. The topic for the lecture was "*Paths to discovery - the role of innovation and serendipity in science with examples from Radio Astronomy*" and was delivered at the annual dinner held at the Stamford Plaza Hotel on 10th November 2006. More than eighty guests attended the dinner, which included Emeritus Professor Max Brennan AO, Chief Scientist for South Australia, Mr Michael Leibelt, Head of the School of Electrical and Electronics Engineering at the University of Adelaide, Professor Andrew Downing, School of Informatics & Engineering and Immediate Past President of the Engineers Australia, and Professor Andrew Parfitt, Director, Institute For Telecommunications Research, University of South Australia. The Premier of South Australia Hon Mike Rann was represented at the dinner by Hon Ian Hunter, Member Legislative Council.



Professor Ron Ekers delivering the 2006 IEEE South Australia Section Distinguished Lecture



Guests at the 2006 IEEE SA Annual Dinner

Another highlight for 2006 was that the IEEE Aerospace and Electronics Systems Society selected the Control Systems, Aerospace and Electronic Systems Chapter of South Australia as the 2005 Outstanding AES S Chapter for IEEE Region 10.

Dr Zia Ahmed,
Chair (2005-06), IEEE South Australia Section

IEEE Daejeon Section

New board of IEEE Daejeon Section Committee of 2006-2007 was organized in January, 2006. The immediate past chairman, Professor Whan Woo Kim and other past chairmen continued to be members of the committee as officers.

Annual New Year's Committee Meeting was held on February 16, 2006 at Ohyang Sea Food, Daejeon, Korea. In the meeting, there was a lively discussion on the promotion of student activities such as official foundation of Student Branches and invitation plan for new student members.



Foundation of Student Branches

Four Student Branches were founded at Chungnam National University, Kongju National University, Hanbat National University and Information & Communications University in April 2006.

As of July in 2006, 251 graduate students had joined IEEE as new student members for five months since the committee meeting in February. The public relations by Student Branches were evaluated very effective helping graduate students find out various benefits from IEEE.

Participation in IEEE Region 10 Student Congress 2006
 Daejeon Section sent approximately thirty members including Professor Chang-Bong Kim (chairman), Professor Bongsue Suh (secretary) and five students to the IEEE Region 10 Student/GOLD Congress.



Daejeon Section delegates at the SB/GOLD Congress 06.

▪ 2006 KICS Summer Conference on July 5-7, 2006

Under the sponsorship of IEEE Daejeon Section, the 2006 KICS(Korean Institute of Communication Science) Summer Conference was held on July 5-7 2006 Ramada Plaza Jeju Hotel at Jeju, Korea. About 600 participants joined in the conference.

▪ CEIC 2006 on November 10-11, 2006

The 8th CEIC (Conference on Electronics & Information Communications) was held on November 10-11 (Friday-Saturday), 2006 under the joint sponsorship of IEEE Daejeon Section, IE EK (The Institute of Electronics Engineers of Korea) and KICS (Korean Institute of Communication Science) at Onyang Hot Spring Hotel. IEEE Daejeon Section presented an award for distinguished paper as well as financial support.

▪ IE EK Hoseo Branch Conference on November 10, 2006

IE EK Hoseo Branch Conference was held on November 10 under the sponsorship of IEEE Daejeon Section at Sun-Moon University, Asan, Chungnam, Korea. In the conference, Professor Bok-ki Kim lectured on accreditation for engineering education.

▪ Successful ICACT2007 on February 12-14, 2007

The 8th and 9th International Conference of Advanced Communication Technology (ICACT 2006 and 2007), with the technical sponsorship of IEEE Daejeon Section, were held very successfully at Phoenix Park, Korea on February 20-22, 2006, and on February 12-14, 2007 respectively. The ICACT 2006 consisted of 79 technical sessions with 442 papers from 27 countries and an invited session, where 427 participants joined. The ICACT 2007 provided 426 participants with 70 technical sessions of 432 papers from 26 countries and an invited session with outstanding world experts. ICACT 2008 will be held with some events for our 10th anniversary on Feb. 17-20, 2008 at the same place. (<http://www.icact.org>)

Dr Keesoo Yeom
Incharge, Daejeon Section Newsletter

IEEE Victoria Section

An Honourable Mention for Victoria's Women in Engineering Group

In March, the Victorian Section's Women in Engineering Affinity Group were pleased to be honoured by a visit to Australia by IEEE's Women in Engineering 2007 Chair, Professor Karen Panetta.

Having only formed in November 2005 and as the first IEEE Women in Engineering affinity group in Australia, it was an unexpected surprise to be presented with an Honourable Mention by Dr Panetta in the IEEE WIE's annual review of the best Women in Engineering Affinity Groups in the world.

Dr Irena Atov, the founder and chair of the Victorian WIE, said that she was truly honoured by not just the Honourable Mention but the commitment shown by Dr Panetta in travelling half way around the world to present it in person. This was a great acknowledgement of what the Victorian WIE group was able to achieve locally since its formation. In 2006, the Victorian WIE organised and ran a comprehensive calendar of events with local and international speakers. Attendees were treated to subjects ranging from the life and times of James Clerk Maxwell to career development opportunities for women.

The Honourable Mention was presented at a reception and talk in Melbourne attended by over 120 IEEE members, students and engineers. The talk was given by an eminent person and excellent speaker, Ms Mary Petryszyn, the Vice President of Joint Battlespace Integration at Raytheon's Integrated Defense Systems in Colorado, USA. Ms Petryszyn spoke about the versatility, creativity and scope offered by a career in engineering and key factors for good leadership in her presentation, "Leadership and career growth in an engineering/technical environment." Her insights stimulated lively debate from the audience. Questions covered such topical issues as how engineering can be used to provide a sustainable future for our environment, to the mutual concerns at the lack of interest among school children in using maths and sciences in their ongoing education.

In 2007, WIE will continue to run educational and informative events with an additional focus on promoting engineering to high school students and young women. To find out more, visit our website email us:

<http://www.ieeevic.org/chapters/wie/index.htm>

wie.victorian@ieee.org

Irena Atov, Chair IEEE Victoria WIE

i.atov@ieee.org



Ms Mary Petryszyn speaking at the reception organized by WIE Victoria Section.



Karen Panetta, Chair IEEE WIE and Irena Atov, Chair, Victorian WIE (second and third from left) with student WIE members (left to right) Kimberly Teo, Jennifer Che and Kate Cornick from The University of Melbourne.



Kristine Rizado (Victorian WIE committee) in the center and from left to right Pantea Peidaee, Wai Chee Yau, Rashidah Arsat and Mahnaz Shafiei (student WIE committee at RMIT University).

WIE FAQ:

<http://www.ieee.org/portal/pages/committee/women/faq.html>



IEEE New South Wales Section, Australia

2007 marks the 35th Anniversary of formal IEEE involvement in Australia with roots in NSW! To mark this

auspicious occasion, it is proposed to schedule a formal dinner function with an invitation to all members, representatives from other IEEE Sections/Council in Australia, IET and Engineers Australia and representatives from both Region 10 Executive and IEEE USA. This will be scheduled around our international visitors program, and more details will be communicated once known. It is also hoped to have a representative present connected with our first Australian member, who joined back in 1890 too.

This year it is planned to get the Section into overdrive and tackle some of the tougher jobs that have been lingering in our in-tray for the past few years. These include:

- Championing a new affinity group titled "*Women in Engineering*" (WIE).

- While still very early days, we welcome Dr Kim Chin who has offered to assist in the startup of this group. Related WIE groups have been identified at the UNSW and The University of Sydney.

- Promoting "Engineering & Technology to Schools" will also be championed with both web and CD media.

- Sponsoring 6 lectures (up from 4 in previous years) in the joint engineering institutions lecture calendar - with some very interesting material already scheduled.

- Promoting chapter activities and mentoring some student chapters back into life (eg USYD, CSU etc).

- If that isn't enough, there is a need to engage a Webmaster to corral the material and changes as they take place throughout the year. The only formal prerequisite is to be a member of the IEEE - and maybe of course some web skills you would like to exhibit. I'd like to extend the sincerest thanks to Mr Rob Menegon who is planning to move overseas early May'07. Rob has kindly maintained our website over the past two and half years, sometimes performing our updates from sporting events overseas. Our website also needs an overhaul to conform to the new IEEE look and feel.

- Each year a Students Congress is held in Region 10, and while we may have missed bidding for the 2008 event, we will certainly be able to target and lobby for the 2009 event once we get our GOLD and WIE Affinity groups running.

We also welcome Mark Gordon to our GOLD committee, and the whole section committee will be getting behind this get some social/speaking functions into our calendar. With three members of the NSW Section Committee who qualify for the GOLD program, this marks a first for NSW, and look forward to more engaging activities for our younger members.

- Bringing some fun and interesting activities to the fore is also a key objective this year, some ideas include a "IEEE NSW Industry Leadership Award" - originally mooted by Olly D'Souza back in 2002, "A Mindstorms Robotic's Competition", and some other ideas you make feel like championing.

IEEE NSW now hosts an Engineering Heritage and Historic material repository in place, nearly all are unpublished works and still more in the pipeline. We even have peer heritage groups in Australia advising they are linking to this material. It is hoped to develop this further in 2007.

David E. Burger, Chair IEEE NSW Section 2007

Email: k3hz@ieee.org; <http://ewh.ieee.org/r10/nsw/>

IEEE Conferences in Region 10

2007 International Workshop on Nonlinear Dynamics of Electronic Systems (NDES 2007) 23 Jul - 26 Jul 2007

Conference Location: Tokushima, Japan

Abstract Submission Deadline: 15 Apr 2007

Final Paper Submission Deadline: 15 Jun 2007

<http://ndes07.is.tokushima-u.ac.jp/>

2007 IEEE/LEOS International Conference on Optical MEMS and Nanophotonics 12 Aug - 16 Aug 2007

Conference Location: Hualien, Taiwan

Abstract Submission Deadline: 18 May 2007

<http://omems2007.itrc.org.tw/>

SICE 2007 - 46th Annual Conference of the Society of Instrument and Control Engineers of Japan 17 Sep - 20 Sep 2007

Conference Location: Takamatsu, Japan

Abstract Submission Deadline: 09 Apr 2007

Final Paper Submission Deadline: 25 Jun 2007

<http://www.sice.or.jp/sice2007/>

2007 International Conference on Electrical Machines and Systems (ICEMS) 08 Oct - 11 Oct 2007

Conference Location: Seoul, Korea

Abstract Submission Deadline: 10 Apr 2007

Final Paper Submission Deadline: 30 Jul 2007

<http://www.icems2007.com/>

2007 International Symposium on Communications and Information Technologies (ISCIT) 17 Oct - 19 Oct 2007

Conference Location: Sydney, Australia

Abstract Submission Deadline: 10 Jun 2007

Final Paper Submission Deadline: 27 Aug 2007

<http://www.elec.uow.edu.au/ISCIT2007/>

15th IEEE International Conference on Networks (ICON 2007) 19-21 November 2007

Conference Location: Hyatt Regency Hotel Adelaide, Australia

For abstracts and paper submission dates visit:

www.plevin.com.au/ICON2007

2007 International Conference on Wavelet Analysis and Pattern Recognition (ICWAPR) 02 Nov - 04 Nov 2007

Conference Location: Beijing, China

Abstract Submission Deadline: 30 May 2007

Final Paper Submission Deadline: 30 Aug 2007

<http://www.mlcri.hk/icwapr/ICWAPR.htm>

2007 1st Asian and Pacific Conference on Synthetic Aperture Radar (APSAR) 05 Nov - 09 Nov 2007

Conference Location: Huangshan, China

Abstract Submission Deadline: 10 Jul 2007

Final Paper Submission Deadline: 10 Sep 2007

<http://www.cie-china.org/APSAR2007/>

2007 IEEE Asian Solid-State Circuits Conference (A-SSCC) 12 Nov - 14 Nov 2007

Conference Location: Jeju Island, Korea

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STUDENT BRANCH - NEWS & HIGHLIGHTS

IEEE JMI Alumni Meet: A Milestone in the journey so far....

A Report on the Alumni meet organized by IEEE Jamia Millia Islamia Student Branch on 7th January 2007

One of the memorable days in the history of IEEE-JMI was 7th January '07 when the first Alumni meet of its kind was organized by the IEEE student branch in association with the WIE Affinity group. Total of 10 alumni of IEEE-JMI turned up to attend the meet where promises and mentoring of current members were focused upon. The event took place at 12.00 noon at the committee room of Jamia Millia Islamia, Faculty of Engineering and Technology.

The meet began by addressing the guests by the current chair person Mr. Amit Arora who also introduced the new Exe-com members. The achievements of the student branch in the past few years were highlighted by Ms. Meenakshi Anand in her presentation and the branch and individual student members were elaborately presented. Ms. Subah Kataria gave a briefing about the IEEE-GOLD Membership in a process perusing those alumni to take up the membership of GOLD.

The most interesting part of the event was the group discussion initiated by Ms. Kaniz Aeliya she ignited the minds of all present with her ideas about how help, in terms of mentoring and helping the student branch, can be brought in by the various alumni. Various thought provoking ideas were given by the alumni to enhance the performance of the student branch and for individual members as well, how the personality can be developed and how networking skills can be enhanced between individuals. It was suggested that student branch should increase its membership by involving students from every sphere of engineering and its scope shouldn't be restricted to only technical skills but to other important aspects of life. Involvement of lecturers was one of the problems that were discussed. The alumni's promised to provide help to the students to their engineering career and the branch in organizing any lectures or workshops. They coined that the need of the hour is to excel in every field and to provide a worldwide networking making it a global society. The alumni expressed readiness to provide help in any form for that value addition in students. Then as a part of non formal event a small skit was presented by the student branch members. Dr. Mini S. Thomas thanked all the alumni and presented them a memento as a token from the student branch. Later the day ended with the informal team building activities. All the alumni present in the meet promised to renew their IEEE membership, thus developing a strong link between the student branch and the GOLD affinity group.

It was indeed a very important step taken from the point of view of the branch as the two sides of the coin were discussed in detail with an eye for improvement. The branch promised to eliminate the short comings and focus more on the strength. Events like this should be organized annually in order to enhance the functionality of the student branch and to provide motivation to all the current members.

Dr. Mini S. Thomas, Branch Counselor



Alumni of IEEE-JMI with Professor Mini S. Thomas

UWA IEEE Student Branch

The University of Western Australia (UWA) IEEE Student Branch is now a thriving and active student body which holds well-attended and popular functions throughout the year. However it was not always so. The Branch was resurrected in 2000 by the IEEE Student Activities Coordinator, Dr. Jasmine Henry who set up a function, sponsored by the IEEE, IET (formerly IEE) and Engineers Australia. At it, the WA chairmen of each of these professional institutions talked to students at the School of Electrical, Electronic and Computer Engineering (EE&CE) about the benefits of joining as student members.

Enthusiastic student volunteers accepted the challenge to resurrect the IEEE Student branch at UWA and promptly organised a committee, elected a Chairperson, wrote up their own constitution and with a small amount of start-up funding, began organising functions and recruiting new members to join the Branch. The successful outcome is that the Branch is now a dynamic entity that manages its own funds runs social and professional visits, and holds fundraising ventures.

Some of the events held include site visits to professional workplaces, fortnightly membership drive barbeques, student workshops and seminars with guest speakers from industry and organisations to provide presentations on useful topics such as how to write CVs or apply for jobs.

Recently, specially-run soldering workshops which are held during lunchtimes were full with enthusiastic students and more are planned for this year. The success of the branch is only possible because of the dedication of the Branch's student volunteers, many from overseas, and support of the School of Electrical, Electronic and Computer Engineering at UWA. The functions organised by the Branch are open to all students of the School – both members and non-members.

A highlight event run by the Branch is the annual IEEE Student Networking Forum. This is an expo-style function where companies in the fields of EE&CE, software engineering and computer science meet and speak to students about vacation work and/or graduate employment.

Sponsors view this event as excellent exposure to prospective graduates – companies have an opportunity to

make a presentation about their company, current projects and all the benefits of working for their particular company. For students, it is an ideal opportunity to identify prospective employers with interesting projects, excellent career opportunities as well as gaining a perspective of the optimal areas of study that would appeal to employers.

Interest in this event is strong with the number of company sponsors in 2006 being 25. The well-run event is now organised by three WA university Student Branches, UWA, Curtin and most recently the Murdoch IEEE.

Jasmine Henry and Tim Wong



The end of another successful BBQ!



UWA IEEE Student Branch Committee



A company presentation at the IEEE Networking forum



Student attendees at the UWA IEEE Networking Forum

Send your news and articles for the R10 Newsletter by email to r10-ecn@ieee.org

KONGU ENGINEERING COLLEGE IEEE STUDENT BRANCH

Technology Awareness Program, Ingur, India

IEEE Student Branch, Kongu Engineering College planned to organize a “Technology Awareness Program” in rural areas. A team of 15 IEEE student members from the college visited Government Higher Secondary School, Ingur. The session started at 1.30 P.M on 26th Feb 2007 and the interaction was held with 10th standard students. At the outset, it started with the awareness on Engineering profession and various streams of education that can be done after completing S.S.L.C and H.S.C examinations. After that the working principles behind satellite, mobile phones and computer were explained in detail. It was followed by a short demonstration of the technologies. The Students were also made aware of the concepts such as about Energy, Energy conservation and related issues. At the same time, some technologies based games were also conducted. The students’ participation was excellent and they were awarded with some prizes. Finally some tips were delivered to excel in their academics. At the end of the day, the school students from the rural areas were exposed to the latest technologies. Thus the program achieved its goal of inspiring them to be competent enough to thrive in the technological boom.

The IEEE Student Branch at the National University of Computer and Emerging Sciences Karachi, Pakistan

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

On May 2006 elections were conducted in which a new executive committee was elected with the following members:

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|-------------------|-----------------------|
| Chairperson | Syed Faisal ur Rahman |
| Vice Chairperson | Munir Usman |
| General Secretary | Syed Obaid Nasir |
| Treasurer | Zoraze Ali |

Since its election the new elected body has covered various topics so that the students can benefit the engineering process by applying knowledge about electro and information technologies and sciences for the benefit of humanity and the profession.

• Seminars

1. IEEE-NUCES organized seminar on Optical Fibre Access Network by Mr. Ali Nawazish from PTCL (Pakistan Telecommunications Company Limited). The seminar was organized on 15th September 2006.

2. IEEE-NUCES organized seminars on Wireless Communications with special focus on CDMA (Code Division Multiple Access) by Mr. Khalil ur Rahman Laghari who is himself assistant BSS manager at V-PTCL. This detailed seminar was organized 20th September 2006.

3. A seminar on Cellular Networks Planning and Implementation was organized by IEEE-NUCES Karachi on 12th December 2006. Mr. Engr. Farhan Siddiqui from Ericsson Pakistan was the speaker.

• Workshops

Mr. Ali Raza Shaikh and Munir Usman arranged a series of workshops on Web Development using ASP.NET 2.0. The participation level from the students of Computer Sciences was very good.

• E-Newsletters

IEEE-NUCES Karachi Campus's students have been actively participating in promoting and sharing the knowledge with students. It has its online resource for the students in the form of e-newsletters. Everyone can access newsletters online from IEEE-NUCES website <http://khi.nu.edu.pk/subsites/ieeee/eneletter.html>.

• Website Maintenance

Our team carries out the updates regularly on the website of IEEE-NUCES. This online resource gives access to the up to date activities, resources, e-newsletters, picture gallery and other valuable information.

• IEEE-NETCOM 2007

IEEE-NUCES is organizing NETCOM 2007. The event is entitled with the theme "Engineering the Future" and is aimed to unleash the power of technology and the way we develop and deploy it. NETCOM will be organized at NATIONAL UNIVERSITY of COMPUTER and EMERGING SCIENCES in Karachi, Pakistan, on 31st March 2007, in collaboration with IEEE-NUCES Karachi.

It is the first National Innovative Business Idea, Micro-Controller Interfacing, e-Zenith, Circuit Design and Animation and Short movie competitions. The event is entitled with the theme of "Engineering the Future" and is aimed to unleash the power of technology and the way we develop and deploy it.

Syed Obaid Nasir

General Secretary IEEE-NUCES Karachi

Link to R10 Student Branch list

<http://www.ieee.org/web/membership/students/branchlists/R10.html>

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