



Editor: Dr Zia Ahmed

Message from Director

Year 2007 is Almost Over



Our Region has got the best Newsletter Editor (and Web coordinator) ever. Zia Ahmed has got a special gift of making everyone to do what is needed, namely to submit stories. It must be Zia's persistence and insistence, that despite my heavy schedule, I feel I have to submit my story for the Newsletter every few months. I am sure you are feeling the same way and as a result we have really informative and very interesting entries from all Sections of the Region in every issue! And we got a fully redone Website for Region 10! Well done Zia.

My first year of Region 10 Directorship is almost over! Oh boy, it was really very busy. I travelled to three Board of Directors meetings and a RAB Strategic Planning meeting in USA, Region 10 Meeting in Malaysia, R10 ExCom meeting in Perth, IEEE Milestone Award Symposium and a meeting with Kansai Section, a meeting with Japan Council and Tokyo Section and inaugurations of new Sections in China (Nanjing, X'ian, Harbin, Wuhan) and in Vietnam. I gratefully acknowledge Massey University for allowing me to travel so much on IEEE business apart from spending time on IEEE when in New Zealand.

I feel that we have made some progress and advanced IEEE activities in the Asia Pacific this year. You can read our success stories in this and [previous Newsletters](#). We formed one new Council, eight Sections, two Subsections and many Chapters and Student Branches. We held more conferences than before. I would like to acknowledge every volunteer in our Region, Section and Council Chairs and each and every one of you, who gave his or her time to organise or participate in IEEE activities in all forms: meetings and conferences, refereeing papers, mentoring younger members etc. Big thanks go to all Region 10 ExCom members, especially to our Treasurer T. Minami, Student Activities Chair M. Thomas, Award Chair H. Gambe, Industrial Liaison Coordinator I. Shirakawa and Special Project Coordinator L. Fung. I would like to acknowledge big input from the China Council Chair, Zhou Mengqi. Last but not least I would like to appreciate Fanny and Serena from the IEEE Office in Singapore who provided the Regional Committee and members with very professional and effective assistance during the last year.

IEEE FELLOWS: I would like to congratulate 50 new IEEE Fellows in our Region, out of 268 awarded (from 773 nominations). See the list in this issue of the Newsletter. IEEE Fellow is conferred by the Board of Directors upon a person of outstanding and extraordinary qualifications and experience in IEEE-designated fields, and who has made important individual contributions to one or more of these fields.

ELECTION: I would like to thank also very much all IEEE members who voted in IEEE Presidential election. There were 6,280 of you, 15.18% of the total 40,044 eligible members in our Region as of 30 June 2007. Well done. Thanks to you the R10 voting percentage increased from 13.86% (however it was still below the all Regions return rate of 15.63%). Hence we made some progress in voting rate but smaller than other Regions. Let us hope that 30% of us will vote in 2008!

John Vig was elected (he got the biggest number of votes in our Region too, see the Report on the next page) and he will serve as the IEEE President in 2009.

With the end of the year approaching fast I would like to wish a very Happy festive Season and a Prosperous New Year for you and your families

あけましておめでとうございます

Nav varsh ki subhkamna

新年快樂

Sun nin fai lok

기쁜 새해를 맞이 합시다 Xin nian yu kuai

Chúc Mừng

Năm Mới Selamat Tahun Baru

Suba aluth awuruddak wewa Shuvo Nabo Barsho

Naya Saal Mubbarak Ho Manigong Bagong Taon

Sawadee Pee Mai Ngā mihi mahana o te Tau Hou

Janina Mazierska



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Upcoming IEEE Conferences in Region 10

2007 Election Results for the IEEE President-Elect

The voting membership of the IEEE elects a new president each year, who serves for three years - first as President-Elect, then as President and CEO, and finally as Past President. The IEEE Presidents also serve on the three top-tier IEEE governing bodies:

- IEEE Board of Directors
- IEEE Executive Committee
- IEEE Assembly

The results for 2007 elections are:

Marc T. Apter	11,068 votes
Pedro A. Ray	13,626 votes
John Vig	17,805 votes

IEEE President-Elect 2008

Dr. John Vig received the B.S. degree from CCNY, in 1964; and the Ph.D in Physics from Rutgers - The State University, in 1969. He joined the Electronic Components Laboratory at Fort Monmouth, NJ, USA, in 1969. Throughout his professional career, working as an electronics engineer and program manager, he performed and led research aimed at developing precision clocks, sensors and low-noise oscillators. In 1988, he was elected Fellow of the IEEE "for contributions to the technology of quartz crystals for precision frequency control and timing." He retired in 2006 and is now working as a consultant.



He has been awarded 55 patents, and has published more than 100 papers and nine book chapters. He serves as a volunteer in his home town - as an Environmental Commissioner and trustee of the Friends of the Library. In his spare time, he and his wife of 44 years enjoy ballroom dancing.



Visit IEEE Region 10 Website at:

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

New Membership Year Kicks Off

November marks the start of the period for renewing membership for next year. Your 2008 membership renewal package should have arrived in the mail by now — or you can renew right now at <http://www.ieee.org/renew>.

The IEEE's recently redone renewal Web site lets you renew your membership, view your membership history, store credit card information securely, and update your contact information and mailing preferences. Your renewal package contains a quick reference guide on navigating the site, or you can download the guide from the renewal page.

All Section's Membership Development (MD) Officer should try to disseminate membership materials at local events and conferences as part of their recruitment activities. **MD Officers should also start planning for renewal and recovery efforts at the start of the New Year.** They should consider outreaching prior to 1 March when non-paying members go into arrears. A list of non-renewed members can be obtained from the IEEE HQ. For IEEE Membership Recruitment Kit and other resources available from HQ, please contact Qiana Harder, q.harder@ieee.org.

IEEE REGION 10 Membership Summary

September 2007

The IEEE membership growth is close to breaking the all-time record high. As of Sept 2007, IEEE had 360,767 members. IEEE is ahead 7,618 members compared to Sept 2006 and less than 20,000 members away from the all-time record set in 2002 of 382,483 members. IEEE Region 10 is making steady progress as indicated by statistics below for September 2007.

Higher Grade Members

2007	40,577
<u>2006</u>	<u>38,942</u>
Δ#	1,635
Δ%	4.2%

Student Members

2007	22763
<u>2006</u>	<u>22,428</u>
Δ#	335
Δ%	1.5%

Total Members

2007	63,340
<u>2006</u>	<u>61,370</u>
Δ#	1,970
Δ%	3.2%



IEEE Fellows – Class of 2008 in Region 10

NOTE: Fellows are listed by their business addresses and under their preferred Sections as noted in the IEEE membership database

AUSTRALIAN CAPITAL TERRITORY SECTION

Dr. Roy Featherstone (Roy.Featherstone@anu.edu.au)
Australian National University
Dept. Information Engineering
RSISE Building 115
Canberra, ACT, 200, Australia
for contributions to multibody dynamics

BANGALORE SECTION

Ms. Narahari Yadati (hari@csa.iisc.ernet.in)
Indian Institute of Science
Department of Computer Science and Automation
Bangalore, Karnataka, 560 012, India
for contributions to the design of manufacturing systems, supply chain networks, and electronic markets

BEIJING SECTION

Prof. Jian Chen (jchen@tsinghua.edu.cn)
Tsinghua University
Department of Management Science and Engineering
Beijing, 100084, China
for contributions to the modeling and analysis and engineering of complex systems

Prof. Jinliang He (hejl@tsinghua.edu.cn)
Tsinghua University
Dept. of Electrical Engineering
State Key Lab of Power Systems
Beijing, 100084, China
for contribution to lightning protection and grounding of power transmission systems

Prof. Yong-Hua Song (Yong-Hua.Song@liverpool.ac.uk)
University of Liverpool
Pro Vice Chancellor
Liverpool, L89 3GJ, UK
for contributions to optimization techniques for power systems

DAEJEON SECTION

Prof. Ju-Jang Lee (jjlee@ee.kaist.ac.kr)
Korea Advanced Institute of Science and Technology
Department of Electrical Engineering and Computer Science, KAIST
373-1, Guseong-dong, Yuseong-gu
Daejeon, 305-701, South Korea
for contributions to intelligent robust control and robotics

Yong Lee (yhlee@kaist.ac.kr)
Korea Advanced Institute of Science and Technology
Department of Physics, 373-1 Kusung-dong, KAIST
Yusung-gu, Daejeon, 305-701, Korea
for contributions to photonic devices based upon vertical cavity surface emitting lasers and photonic crystals

Prof. Hoi-Jun Yoo (hjyoo@ee.kaist.ac.kr)
Korea Advanced Institute of Science and Technology
373-1 Guseong-dong, Yong-gu, KAIST
Daejeon, 305-701, Korea

for contributions to low-power and high-speed VLSI design

HARBIN SECTION

Prof. Tianyou Chai (tychai@mail.neu.edu.cn)
Northeastern University, China
Research Center of Automation
Shenyang, Liaoning, 110004, China
for contributions to adapt intelligent decoupling control, and integrated automation of complex industrial processes

HONG KONG SECTION

Prof. Dah Ming Chiu (dmchiu@ie.cuhk.edu.hk)
Chinese University of Hong Kong
Department of Information Engineering
Shatin, NT, Hong Kong, China
for contributions to distributed resource allocation algorithms in computer networks

Prof. Shi-Wei Lee (rickylee@ust.hk)
Hong Kong University of Science and Technology
Department of Mechanical Engineering
Clear Water Bay
Kowloon, Hong Kong, China
for contributions to solder joint reliability and the development of three dimensional packaging technologies

Prof. Zexiang Li (eezqli@ust.hk)
Hong Kong University of Science and Technology
Department of Electrical and Electronic Engineering
Kowloon, Hong Kong, China
for contributions to robotic manipulation, nonholonomic motion planning and workpiece utilization

Prof. Max Meng (max.meng@ieee.org)
Chinese University of Hong Kong
Department of Electronic Engineering
Shatin, NT, Hong Kong, SAR, China
for contributions to medical robotics

KANSAI SECTION

Prof. Ikuo Awai (awai@rins.ryukoku.ac.jp)
Ryukoku University
1-5 Yokotani, Seta-oecho
Otsu, Shiga, 520-2194, Japan
for contributions to microwave passive components

Dr. Hiroki Hamada (hiroki.hamada@sanyo.co.jp)
Sanyo Electric Co., Ltd.
Digital System Research Center
1-18-13, Hashiridani
Hirakata-City, Osaka, 573-0063, Japan
for contributions to red semiconductor laser diodes and polycrystalline silicon thin-film transistors

Prof. Susumu Noda (snoda@kuee.kyoto-u.ac.jp)
Kyoto University
Department of Electronic Science and Engineering
Nishikyo-ku
Kyoto, 615-8510, Japan
for contributions to photonic crystals and nanophotonics

(Continue on next page)

Dr. Daisuke Ueda (daisuke@ieee.org)
Matsushita Electric Industrial Co. Ltd.
Semiconductor Device Research Center
1-1 Saiwai-cho
Takatsuki, Osaka, 569-1193, Japan
for contributions to power-saving semiconductor devices and circuits

MACAU SECTION

Prof. Rui Silva Martins (RMartins@umac.mo)
University of Macau
Faculty of Science and Technology
Avenida Padre Tomas Pereira, Taipa
Macau SAR, China
for leadership in engineering education

NAGOYA SECTION

Dr. Noriyuko Shimizu (shimizu@ccmfs.meijo-u.ac.jp)
Meijo University
Dept. Electrical & Electronic Engineering
Tempaku
Nagoya, 468-8502, Japan
for contributions to the understanding of degradation mechanisms of polymeric insulating materials

NEW SOUTH WALES SECTION

Prof. Alexander Zelinsky (alex.zelinsky@csiro.au)
Commonwealth Scientific Industrial Research Organization (CSIRO)
P.O. Box 76
Epping, NSW, 1710, Australia
for contributions to vision-based robotics

QUEENSLAND SECTION

Dr. Peter Corke (peter.corke@csiro.au)
Commonwealth Scientific Industrial Research Organization (CSIRO)
P. O. Box 883, Kenmore, Queensland, 4069, Australia
for contributions to visual-based robot control and its applications to field robotics

SENDAI SECTION

Prof. Hiroaki Muraoka (muraoka@riec.tohoku.ac.jp)
Tohoku University
RIEC
2-1-1 Katahira, Aoba-ku
Sendai, Miyagi, 980-8577, Japan
for contributions to perpendicular magnetic recording and to recording heads and media

SEOUL SECTION

Dr. Donggun Park (dgpark@samsung.com)
Samsung Electronics
Semiconductor R&D Center
San24 Giheung
Yongin, Gyeonggi-Do, 449-711, Korea
for contributions to nano-scale CMOS development for memories

SHANGHAI SECTION

Prof. Shanjia Xu (xusj@ustc.edu.cn)
University of Science and Technology of China (USTC)
P.O.Box 4, Hefei, Anhui, 230027, P.R. China
Hefei, Anhui Province, 230027, China
for contributions to dielectric waveguiding structures

SINGAPORE SECTION

Zhi Ning Chen (chenzn@i2r.a-star.edu.sg)
Institute for Infocomm Research, Singapore
20 Science Park Road
#02-21/25 TeleTech Park
Singapore, 117674, Singapore
for contributions to small and broadband antennas for wireless applications

Erping Li (erpingli@ieee.org)
Singapore Institute of High Performance Computing
Electromagnetics and Electronic Systems Dept.
2B Hong San Walk #15-02, Republic of Singapore
Choa Chu Kang, 689048, Singapore
for contributions to electromagnetic modeling and simulation in high speed electronics

TAINAN SECTION

Prof. Pau-Choo Chung (pcchung@ee.ncku.edu.tw)
National Cheng Kung University
Department of Electrical Engineering
1 University Road
Tainan, Taiwan, 701, China
for contributions to neural network models for biomedical image analyses

Prof. Chan-Nan Lu (cnl@ee.nsysu.edu.tw)
National Sun Yat-Sen University
Department of Electrical Engineering
70 Lien-Hai Road
Kaohsiung, 804, Taiwan
for contributions to power delivery and to power engineering education

TAIPEI SECTION

Prof. Fan-Tien Cheng (chengft@mail.ncku.edu.tw)
Institute of Manufacturing Engineering
National Cheng Kung University
Tainan, N/A, 701, Taiwan
for contributions to semiconductor manufacturing automation and force optimization in multiple-chain robotic mechanisms

Prof. Ming-Dou Ker (mdker@mail.nctu.edu.tw)
National Chiao Tung University
1001 Ta-Hsueh Road, Dept. of Electronics Engineering
Hsin-Chu, 300, Taiwan
for contributions to electrostatic protection in integrated circuits, and performance optimization of VLSI micro-systems

Prof. Pai-Chi Li (odonnell@enr.washington.edu)
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for leadership in the display and optical data storage industries

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for leadership in the microelectronics industry

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Electrical Engineering Dept.,
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*for contributions to communications circuit design and
for leadership in promoting the profession*

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Department of Electrical and Control Engineering
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*for contributions to fuzzy logic, neural networks and
intelligent control*

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*for contributions to the design and development of fuzzy
systems and theorems*

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*for contributions to image and video analysis, coding,
digital watermarking, and rights management*

TOKYO SECTION

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Chiyoda-ku, Tokyo, 100-0011, Japan
*for invention of the divided word line structure for high-
speed, low-power logic and memory*

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*for contributions to very large capacity optical
transmission systems*

Dr. Eishi Ibe (hidefumi.ibe.hf@hitachi.com)
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*for contributions to neutron-induced soft-error analysis
for semiconductor memory devices*

Dr. Takeshi Inoue (t-inoue@dh.jp.nec.com)
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*for contributions to bulk wave piezoelectric devices and
their applications*

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*for contributions to high power semiconductor lasers as
pump sources for optical amplifiers*

Prof. Hisao Kameda (kameda@cs.tsukuba.ac.jp)
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Information Eng. Tennodai, Tsukuba Science City,
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*for contributions to performance optimization methods for
information processing systems*

Prof. Fumio Koyama (koyama@pi.titech.ac.jp)
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*for contributions to semiconductor optical devices for
broadband optical communications*

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*for contributions to HDTV compression and transmission
systems*

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*for contributions to synchronous digital hierarchy
transmission systems and optical access systems*

Mr. Kaoru Yano (k-yano@ay.jp.nec.com)
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1-12-1-405, Yaguchi, 146-0093, Japan
*for leadership in development of digital transmission
systems*

Dr. Yutaka Yasuda (yu-yasuda@kddi.com)
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*for contributions to mobile digital satellite
communication systems*

VICTORIA SECTION

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University of Melbourne
Electrical and Electronic Engineering Department
Parkville, Victoria, 3010, Australia
*for contributions to the analysis and control of networked
nonlinear sampled-data systems*

Prof. Xinghuo Yu (x.yu@rmit.edu.au)
Royal Melbourne Institute of Technology University
Science, Engineering and Technology Portfolio
GPO Box 2476V
Melbourne, Victoria, 3001, Australia
*for contributions to variable structure systems theory and
applications in intelligent and complex systems*

**The Inauguration of IEEE Harbin Section
Attended by the IEEE Senior Leadership**

On September 20, inauguration ceremony of IEEE Harbin Section was held at the Harbin Institute of Technology (HIT) which is located in Harbin city, northeast of China's Heilongjiang Province. Professor Michael R. Lightner, 2006 President of IEEE, Lewis Terman, 2008 President of IEEE, Janina Mazierska, Director of IEEE Region 10, Jeffrey W. Raynes, Executive Director and Chief Operating Officer of IEEE, Matt Loeb, Staff Director of Corporate Strategy and Communications of IEEE, Mengqi Zhou, Chair IEEE China Council, and Ning Hua, Director IEEE China Council attended the inauguration ceremony. Besides the VIPs from IEEE headquarters, Shuguo Wang, President of HIT, Naitong Zhang, Academician of the Chinese Academy of Engineering, Communications and Information Systems Disciplines Leader, Jianguo Huang, Chair of IEEE Xi'an Section and Professor of Northwestern Polytech University and staff of HIT were also present. In addition members of IEEE Harbin Section and students from Harbin also attended the inauguration ceremony.



Inauguration Ceremony of IEEE Harbin Section

Professor Shuguo Wang, President of HIT extended a warm welcomed to the visiting guests and briefed about the history of HIT, the school rankings, distribution of campus, number of students, courses offered in English medium, international cooperation projects and the development of the Science Park. He said that HIT attaches great importance to cooperation with the IEEE and hoped to establish more ties in the near future. Qun Wu, Vice Chair for IEEE Harbin Section, Professor of HIT gave an introduction to IEEE Harbin Section.

Dr. Lightner expressed his appreciation to President Wang and said that he was very glad to be in the beautiful city of Harbin, famous for its scenery and snow and ice, and honored to be at the famous HIT. Dr. Lightner praised teachers and students at HIT for their excellence and expressed hope that teachers, students and those who come from elsewhere in China would be united through the platform of the IEEE. He also mentioned other recently formed IEEE Sections in China, and expressed his wish that the academic exchange between China and other countries will be strengthened through these Sections.



(From top, left to right) Shuguo Wang, Michael Lightner, Lewis Terman, Janina Mazierska, Naitong Zhang, Mengqi Zhou, Jianguo Huang and Qun Wu speaking at the inauguration ceremony.

Executive Office of IEEE Harbin Section is located at Room 218 of the main building of HIT. The Section officers are:

- | | |
|-------------------|--|
| Section Chair | Dianguo Xu |
| Vice Chair | Qun Wu |
| Secretary-General | Xiaohong Wang, Deputy Director, HIT Scientific and Research Dept. |
| Treasurer | Linhua Bu, Assistant Director, HIT Scientific and Research Department. |

Harbin Section has established Electron Device Society (EDS) Chapter with Professor Wang Qi as Chapter Chair, EDS Chapter at Dalian Subsection and HIT Students Branch. It is expected that by the end of 2007, there will be more chapters and subsections, including Engineering Management Society (EMS) Chapter, Laser Electron-Optics (LEO) Chapter; Education Society (ES) Chapter, a joint Chapter of Microwave Theory and Technology/Antennas and Propagation plus many other subsections, similar to the Dalian Subsection, and student branches in Liaoning and Jilin provinces.



HIT leaders with the IEEE delegation

In the afternoon of 20 September, HIT Television station interviewed Michael Lightner and Lewis Terman, and asked about their views regarding the relationship between IEEE and the northeast of China. The host was Xiaohong Wang. Around same time, Jeffrey W. Raynes and Matt Loeb held advisory meeting about IEEE with the faculty and students in HIT. Later, they visited the Science Park and Astronautics Museum of HIT accompanied by Qun Wu.



Prof. Michael Lightner and Mr. Lewis Terman being interviewed at the HIT Television Station with the help of Ning Hua as the translator.

In the morning of September 21, Michael Lightner gave two talks; one an IEEE overview and second entitle “Cognitive Assistive Technology: an Emerging Discipline”. In the afternoon, accompanied by Qun Wu, Michael Lightner, Lewis Terman, Jeffrey Raynes, Matt Loeb, Mengqi Zhou, and Ning Hua, visited Sibira-Tiger Park, which is located in the outskirt area of Harbin city.

**Prof. Qun Wu (qwu@hit.edu.cn)
Vice Chair, IEEE Harbin Section**



Prof. Lightner giving his talk at HIT



IEEE officials at the HIT Science Park



At the HIT Astronautics Museum



Janina Mazierska, Michael Lightner, Lewis Terman and other IEEE officials with the faculty members of HIT

2007 RAB Awards Recipients in Region 10

At the IEEE Regional Activities Board 17 November 2007 meeting, four R10 volunteers were selected as the 2007 RAB Awards winners.

RAB Leadership Award

Dattatray Doke, Bombay Section: "For leadership in propagating awareness of industry applications of electrical & power engineering"

RAB Achievement Award

Isao Shirakawa, Kansai Section: "For sustained and significant contributions and leadership in Student Activities and Industry-Academia Cooperation to the IEEE Kansai Section and Region 10"

Darrel Chong, Singapore Section: " For extraordinary leadership and sustaining contributions to IEEE GOLD activities especially GOLD Online Seminars"

RAB GOLD Achievement Award

Sampathkumar Veeraraghavan, Madras Section: "For outstanding efforts in local GOLD activities and successfully obtaining industry sponsorship"

In her congratulatory message to the recipients, R10 Director Prof. Janina Mazierska expressed her delight and thanked them for bringing these prestigious Awards to Region 10.

All recipients will receive a plaque and a cash prize from the Regional Activities Board.

R10 Awards Coordinator

And the winners are ...

It is my pleasure and honour to announce the results of the R10 GOLD and Outstanding Volunteer Awards for 2007.

R10 GOLD Award Winner for 2007

The R10 GOLD Award goes to Mr. Sampathkumar Veeraraghavan, Chairperson of GOLD Affinity Group of Madras Section, for his outstanding contribution in running local activities targeted towards university students and graduates such as student awareness project, career guidance program and technical skill enhancement program. Among his wide activities I would like to note from the Region 10 committee point of view that the Student awareness project is especially worthy and should be emulated by every R10 GOLD group.

Mr. Veeraraghavan will be invited to the next R10 Committee meeting in Gujarat, India in early February, 2008 to receive his award.

Congratulations again on the job well done by Mr. Veeraraghavan.

R10 Outstanding Volunteer Award Winners for 2007

Three outstanding volunteers are selected as recipients of the Outstanding Volunteer Award for 2007. They are:

Enn Vinnal, Victorian Section.

R.K.Asthana, Delhi Section.

Tapan K. Saha, Queensland Section.

Enn Vinnal from the Victorian Section will be invited to receive his award at the 2008 Region 10 Meet dinner banquet in Gujarat, India. The other two Certificates will be posted to the Section Chairs for presentation at an appropriate Section event.

The competition was intense and all volunteers nominated have made great contributions to the IEEE family. For candidates not selected this time, it is because of the limitation set in the Awards Program. Please do continue your good work and I am sure that your effort will be recognized very soon.

Wish you all the success in the coming New Year!

Congratulations again on a job well done by winners.

Hirohisa Gambe Ph.D

R10 Awards Committee Chair

Region 10 Outstanding Student Branch Counsellor Awards 2007

I am happy to announce the FIRST Region 10 Outstanding Student Branch Counsellor Awards for outstanding contributions to the growth of Student Branches in Asia-Pacific. We received 7 applications of extremely dedicated Branch Counsellors, from the students. It was very difficult to choose 3 out of these 7 outstanding volunteers.

Finally, the following three Branch Counsellors receive the award for 2007.

1. Prof. Asok Bhattacharya, Delhi College of Engineering, Delhi, India
2. Prof. Hsi-T Seng Chou, Yuan Zee University, Taiwan
3. Dr. Anil K. Roy, DC -IIIT, Ahmedabad, Gujarat, India

Congratulations!!

I congratulate the student volunteers who nominated the above Branch Counsellors and thank the judging committee for their support. Each winner will receive a US \$250 cash award and a personalized certificate. I invite the three Branch counsellors to the Region 10 Student Congress to be held in Chennai during January 28-30th 2008, to personally receive the award.

For the Student Branch submitting the nomination for the award recipients selected will receive a US \$100 cash award. Kindly claim your money immediately from R10 treasurer Taka Minami

I sincerely commend the efforts of the rest of the Student Branch Counsellors and students who nominated them and wish to see their names in the roll of honour soon.

Dr. Mini S. Thomas

R10 Student Activities Coordinator



Send your news items and articles to R10 Newsletter Editor by email:

r10-ec@ieee.org

Please send photographs in JPEG format in separate files

A Summary of R10 Coordinated Activities in 2007

In 2007 the R10 Committee coordinated a vast range of activities for the benefit of its members and to promote IEEE in the Region. A brief summary of some of these activities is given below. Please note that it does not cover the whole range of R10 coordinated activities as reports are still awaited from various other coordinators.

STUDENT ACTIVITIES COMMITTEE

The Region 10 Student Activities Committee (SAC) had 2007 a very productive year under the leadership of Professor Mini Thomas. The regular activities of UG and PG Paper contest, website contest, Larry Wilson Award, Exemplary Student Branch Award etc were held on time and the results announced. R10 SAC committee sponsored the PG paper contest first prize winner to present the paper at TENCON 2007 held in October 2007 at Taipei. The committee meticulously planned and executed a variety of new activities besides the regular activities. The new activities were designed to energize the sick Student Branches and to encourage them to take up an active role in IEEE once again.

Since the Student Branch Counsellors play a vital role in keeping the SB active and a smooth changeover in student leadership of the Branch, it was planned to empower and motivate the Branch Counsellors by organising Branch Counsellors' Congress. In response to a SAC call, three congresses were agreed and supported by R10. The first Congress was hosted in April 2007 at Hyderabad, which was attended by 28 Branch counsellors. It was a great motivation for reactivation of sick branches and also for the formation of 4 new branches. Similarly Japan Council hosted Branch Counsellors' Congress on 20th October. Bombay Section will host the third Congress from 15 – 17 December 2007. It is hoped that this activity will boost the morale of the Branch Counsellors' and also pave the way for vibrant Student Branches. Another package introduced this year is the three new Outstanding Branch Counsellor Awards at Region 10 level to recognize and encourage active Branch Counsellors. The deadline for receiving nominations for this award was mid September 2007.

Another initiative was the announcement of the IEEE Alumni meet program at each Student Branch. The aim is to formulate an IEEE alumni forum, which can keep continuous contact with the IEEE alumni of the institute (wherever they are) and constantly motivate them to retain IEEE membership, with special programs and meetings organized for them in the branch. Two Alumini meets are already announced, one on 23rd December in Kerala, in conjunction with the all Kerala Student Congress and the second one on 27th December at NIT Warangal in Hyderabad Section. Suggestions are welcomed from Sections and SBs for further enhancement of this activity.

R10 SAC also supported two local Student Congresses. The first one was Pakistan Student Congress (PSC2007) held at Karachi. As reported in September issue of this newsletter, it was a resounding success. The second was the very successful All India Student Congress held in Ahmedabad, Gujarat in September 2007. A detailed account of AISC2007 is reported in this issue.

The Fourth Region 10 Student Congress (R10 SC2008) will be held on 28 - 30th January 2008 at SSN College of Engineering, Madras (Chennai), India in conjunction with

the GOLD and WIE Congress. This will be a great opportunity for student volunteers from all the countries in Asia-Pacific to come to India, interact and get to know each other in a better way, technically, professionally and culturally. The fourth R10 Student Congress has been planned in a bigger way, with an attendance of around 300 participants from across Asia-Pacific. The organizing committee has chalked out a very exciting and entertaining program combining serious technical and leadership lessons with fun filled activity sessions. The R10 SC2008 will provide an opportunity for the students and young professionals in building their career and to establish networking with other peers in the academia and the industry. Several international eminent speakers from IEEE, Region 10, industry and academia have confirmed their participation to share their rich experience. This Congress will also feature workshops and interactive sessions. During the Congress, Student Branch and GOLD/WIE (Women in Engineering) affinity group leaders will be working together on a joint effort to discuss the aspects of Student Branch organization and leadership, as well as the transitional issues of GOLD/WIE.

GOLD AFFINITY GROUPS COMMITTEE

In 2007 Region 10 GOLD Committee focused on three issues (a) improvement of the health of all the R10 GOLD affinity groups (b) continuation of outreaching GOLD members by providing benefits and values of membership, and (c) improvement of the student to full membership retention rate.

At the annual Region 10 meeting in Kota Kinabalu, R10 GOLD Coordinator Dr Yasuharu Ohgoe met those twelve Section Chairs whose GOLD Affinity groups were experiencing difficulties or local GOLD Chairs were not known. This was an important step to work towards the improvement of the health of GOLD groups not performing well. Dr Yasuharu was successful in establishing contact with all the missing GOLD Chairs except one.

It was noticed in May by R10 GOLD Coordinator that some Section Chairs had not provided information to R10 about their new GOLD Affinity Group Chair although they had already started their task as GOLD Chair in 2007. Dr Yasuharu Ohgoe approached those Section Chairs to confirm and update the R10 Roster.

At the beginning of this year, there were eight healthy local GOLD groups (Bombay, Calcutta, Hong Kong, Lahore, Madras, Malaysia, New Zealand South, and Western Australia) in Region 10. The four GOLD groups in Bangalore, Delhi, New Zealand South, and Singapore were very small this year with only a few members. The Chairs of these four GOLD groups found it difficult to organize local GOLD activities and therefore decided to focus on reactivating their GOLD memberships.

RAB Graduation Event Pilot Program - In R10 six GOLD affinity groups (Bangladesh, Hong Kong, Lahore, Madras, Malaysia, and New Zealand South) expressed interest to participate in the Graduation Event pilot program sponsored by the Regional Activity Board (RAB). Bangladesh and Madras GOLD were selected on the basis of their proposal. Each GOLD Group was supported with US\$500 by RAB and SAC. Additionally, Lahore GOLD was also keen in the pilot program. As R10 consists of Asia and Pacific countries with diverse cultures and has the largest student member, Dr Yasuharu Ohgoe felt the need

for two or three more GOLD teams to organize this event in separate countries. Therefore, Dr Ohgoe decided to support US\$500 to both of the Lahore GOLD Groups from R10 GOLD budget. Lahore and Madras GOLD were scheduled to organize the Graduation Event in October 2007. Madras GOLD decided to organize the student transition project in two phases. The first phase was held on 22nd September, around 50 students attended. The second phase was planned to be organized on 14th October. Lahore GOLD was also due to organize the event in October. Dr Yasuharu Ohgoe is currently expecting detail reports of these events from GOLD Groups.

R10 GOLD Award - R10 Award Committee selected Mr. Sampath Kumar Veeraraghavan, Chair Madras GOLD for the R10 GOLD Award. Subsequently the R10 GOLD Committee successfully nominated him for the RAB GOLD Award.

The GAPP - At the R10 annual meeting Dr Yasuharu Ohgoe asked all Sections' Chairs to nominate one person to work with the GOLD Academic Professional Portal (GAPP) team. Only Twenty four Sections from our region nominated a representative.

GOLD Summit 2008 Regional Leader - R10 GOLD has nominated Timothy Wong from the University of Western Australia as the R10 GOLD Summit Regional Leader. He has been on the Western Australia GOLD committee since last year as Student Branch liaison (he also chairs the University of Western Australia SB). He recently came back from a student exchange program overseas. His enthusiasm, experience as SB Chair and liaison with IEEE volunteers in another region (while he was on exchange) means he is well-positioned for both this position and for future leadership roles in the WA GOLD Group.

INDUSTRY LIAISON

The R10 Industry Liaison committee established following two awards this year:

- (1) IEEE Region 10 Milestone Award for outstanding technical achievement and
- (2) IEEE Region 10 Academia-Industry Partnership Award for outstanding academia-industry collaboration which has contributed to revolutionary technology progress.

The selection criteria for these two awards are available at the Region 10 website. Two nominations were received for Academia-Industry Partnership Award in July for which the evaluation is now in process. On the other hand, no application for Milestone Award has been received for this year so far.

TECHNICAL ACTIVITIES

The Technical Activities Coordinator Prof. Mahendra Shah organises an annual Region 10 Technical Colloquium in cooperation with one or more interested Councils, Sections and Chapters in the region.

For this year Prof. K. T. Talele, Dept. of Electronics, Sardar Patel Institute of Technology, Bombay, requested the support of R10 for organizing a Technical Colloquium. A call for papers for the colloquium has been issued. Further information is available at <http://www.ieee-spc.org/colloquium>.

For 2008, a similar request has come forward from Indian Institute of Technology, Khadagpur.

LIFE MEMBERS GROUP

At the start of the year two Sections, Bombay and New South Wales, were recorded as having an active Life Member (Affinity) Group in their Sections. It needs to be remembered that for Region 10 it is barely 40 years since inception and that many of the Sections have been established in the past 15 years or so.

Investigations early in the year indicated that there existed an opportunity for possibly an additional 28 Sections within the Region to establish Life Member (Affinity) Groups within their Sections, based on the criteria of having 4 Life Members in their Section. No consideration was given to the ability or interest of these Life Members to participate in the establishment of Life Member Groups in their Sections. This information was provided to the gathering of Section Chairs at the Region 10 Meeting in Sabah in March, 2007.

At that meeting Life Member Coordinator Graeme Gwilliam conducted conversations with various Section Chairs and Council Chairs (or their representatives) regarding the best way that the promotion of Life Member Groups could be carried out. Special consideration was given to the Japan Council and the Sections in Japan. Advice was received that the Japan Council and the Tokyo Section should be approached together initially, and that these Council/Sections could be a suitable pipeline for access to the other Sections in Japan. In particular it was suggested that any material printed in English language might be translated into Japanese within these two groups for distribution to the other Sections in Japan.

Following the Region 10 meeting, the Australia, New Zealand and India Councils, together with the Sections within those Councils, were circulated with follow-up emails and printed material intended to be of assistance to Sections wishing to establish Life Member Groups. In addition, those Sections outside Council areas that met the qualifications were also emailed with the same material.

Information from Australia and New Zealand Sections has indicated that;

- the South Australia Section already has a joint IEEE/IET/EA Retired Engineers Group operating and that Section is investigating how an IEEE Life Member Group may be established and comfortably integrated with the existing group
- the Queensland Section, at this time, has insufficient support to give the matter serious consideration.

Responses from India have been received from the Bombay Section and the India Council. Some difficulty has been experienced in making email contact with a number of the Sections in India, and this difficulty is being followed up.

As the approach to the Japanese Sections depended so much on any printed material being clearly understandable to 'English speaking' Sections (before it is translated into Japanese), this has been given some consideration. All recipients of any printed material distributed to date have been requested to comment on any details provided that may not be absolutely clear. When we are satisfied that there should be few difficulties in translating the documentation from English into Japanese, a similar follow-up email, with attachments, will be sent for distribution throughout Japan.

SPECIAL PROJECTS

During the Region 10 Meet in March, 2007 in Kota Kinabalu, the Special Projector Coordinator Dr Lance Fung announced the following projects:.

1. Inauguration of Vietnam Section
2. History of Region 10 and
3. SC08 Regional Coordination

The progress is described below:

Inauguration of Vietnam Section - This was completed on 5th March, 2007 at Hanoi University of Technology in concurrent with the Fifth International RIVF Conference. A report has been published in the March issue of IEEE R10 Newsletter. A further development is the 2008 RIVF Conference continual to be sponsored by the IEEE Com Soc and IEEE Region 10. The 2008 conference will be held on 7-11 July, 2008 at Ho Chi Minh City, Vietnam.

Special Project on History of Region 10 - The project is progressing on track. A prototype portal has been developed and hosted at IEEE site. A report has been given in the September 2007 IEEE R10 issue. In addition, Dr Zia Ahmed has also suggested to gather additional information from past R10 Directors for a special issue and inclusion in the history project. Again, this project is in progress with the help of IEEE Asia Pacific Operations Centre.

SC08 Regional Coordination - Coordination of the 2008 Section Congress is in progress. An article has been published in the July 2007 IEEE R10 Newsletter. Discussion with the R10 Treasurer, APO and SC08 Coordinator has also taken place to confirm a number of issues such as date and venue for R10 committee meeting, subsidy scheme and announcement to the Sections. It is expected the announcement will be made subject to approval from the Regional Director on the amount of subsidy and date of the R10 Committee Meeting.

R10 AWARDS COMMITTEE

Currently Region 10 Award Committee offers the following three types of award programs:

- R10 Distinguished Large and Small Section Award
- R10 GOLD Award
- R10 Outstanding Volunteer Award

Winners of the Awards are presented with a certificate at a Regional Meeting or at a local Section event.

The Committee (subject to award budget) invites winners of the awards to a celebration ceremony at the Regional meeting dinner.

R10 Distinguished Large and Small Section Award

The R10 Distinguished Large and Small Section Awards are granted to Sections in Region 10 to recognize their excellent work in the prior year. A Large Section being the one with the total membership (including students) of 501 or greater as of 31 December of the prior year, while a Small Section is the one with the total membership (including students) 500 or less as of 31 December of the prior year.

The following aspects and activities in the prior year are considered in selecting the Distinguished Large/Small Sections. The Committee reviews the submitted Section reports, selects and endorses the two winning Sections for the two awards.

- Submission of the Section report prior to Region 10 Meet each year
- (Region 10 Meet is usually held in late March but may happen earlier or later.);
- Evidence of retention of members and active GOLD Affinity Group;
- Student Branch activities such as student paper contest, recruitment of student members;
- Continuing educational activities including conferences, technical activities, training courses;
- Contacts with Section members including the number of newsletter issues and emailed, regular updates of Section, Chapters and Student Branches Web pages;
- Community projects/service that project positive visibility to IEEE;
- No Section may receive two R10 Distinguished Large or Small Section Awards within three years.

This year Malaysia Section has been selected as the winner of the Distinguished Large Section Award. Malaysia Section has nine Chapters, four joint Chapters and one affinity group and their regional activities are very well managed. The Section successfully increased the membership from 1351 at the end of 2005 to 1691 at the end of 2006 and keeps large number of members in the societies and encourages GOLD and student member activities. In the year 2006 they held 8 conference & education events and 5 distinguished lecture programs. Their wide variety of activities are quite remarkable worthy of a leading Section of the region.

Shikoku Section has been selected as the winner of Distinguished Small Section Award. Shikoku Section makes excellent efforts especially in student activities. They had 6 professional and continuing education events to encourage students to join in the IEEE activities. They also supported various unique activities such as academic discussion with native English speaker, student paper contest in English etc. Such programs are very good example for non-English speaking Sections. They also made tremendous efforts to establish good relations with Japanese national academic institutes. Although Shikoku is a very small Section with 203 members in the beginning of 2006, they successfully increased 43 members at the beginning of 2006, they successfully increased their membership by 43 through these efforts.

It is also noted that Shikoku Section has been selected as a winner of the 2006 RAB Outstanding Small Section Award as well.

R10 GOLD Award

The R10 Gold Award is granted to individuals who are involved with GOLD activities and recognized for singular achievement in the development and completion of a project(s) or activity (ies).

Nomination for 2007 was closed in August 31 this year.

SampathKumar Veeraraghavan of Madras Section has been selected as the winner of the R10 GOLD award. He is the Chairperson of the GOLD affinity group of Madras Section. His outstanding contribution in running local activities targeted towards university students and graduates such as student awareness project, carrier guidance program and technical skill enhancement program are quite excellent.

Among his wide activities the student awareness project is especially worthy and should be emulated by every Region 10 GOLD program.

It is also noted that SampathKumar Veeraraghavan has been selected as a winner of the RAB GOLD Achievement Award. He will be invited to the regional meet in February, 2008 for the award presentation.

R10 Outstanding Volunteer Award

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

Nomination for 2007 Award was closed on October 10. The following three members have been selected as a winner of the R10 Outstanding Volunteer Award in 2007.

Enn Vinnal of Victorian section is the top winner of this award. Vinnal has been a member of the Section executive committee since 1984 and contributed in various Section activities, including his recent work as a principal logistics coordinator for TENCON 2005. He was selected as a top winner of this award for his continuous contribution to the Victorian Section.

Rajendra K. Asthana of Delhi Section is a second winner of the award. Asthana has been participating in Section activities for more than 20 years and playing various important roles in running the regional programs. In recent years, he made remarkable efforts to promote the All India Students Congress (AISC) to encourage IEEE student activities in India.

Tapan K Saha of Queensland Section is a third winner of the award. He has played important roles for Queensland Section activities for more than 10 years. Especially he plays an excellent role to coordinate between IEEE and Institution Engineers Australia (IEAust). He also played a driving role in forming the Queensland Student Chapters and GOLD affinity group.

As a representative for these three winners, Enn Vinnal will be invited to the regional meet in February 2008 to receive the award.

A full detail about the R10 Awards program is available at: http://www.ewh.ieee.org/reg/10/R10_Awards.htm

SECTION SUPPORT VIA REGIONS

Funds are set aside annually by the Regional Activities Board for the support of Sections through requests submitted by the Region Directors. The total grant as approved by the Headquarters this year for Region 10 under the Section Support via Regions (SSVR) scheme was US\$7050. The Region 10 Secretariat invited all Sections in the Region to submit proposals for SSVR Grant for this year. Seven Sections submitted proposals out of which four were approved. The rest of the grant was used to support activities in newly formed Sections in 2006 and 2007. The recipients of SSVR grant this year are as follows:

Indonesia Section	\$1,000
Thailand Section	\$1,000
Gujarat Section	\$500
Calcutta Section	\$500
Chengdu Section	\$350
Harbin Section	\$350
Shanghai Section	\$350

Shin-etsu Section	\$350
Wuhan Section	\$350
Xian Section	\$350
Nanjing Section	\$350
New Zealand Central Section	\$350
Vietnam Section	\$1,250

ELECTRONIC COMMS & R10 NEWSLETTER

The email is the main electronic communication means to stay in contact with the IEEE members and to facilitate interaction among the R10 EXCOM members. This service is largely coordinated through the IEEE Asia Pacific Operation (APO) Centre in Singapore. The staff members Fanny Su and Serena Dhing at the Centre provided a very strong support for the successful use of email service by forwarding messages and important announcements in a very timely fashion.

The R10 Website is the main window to showcase IEEE activities in the Region and to keep IEEE members informed about the opportunities to participate in them. The information provided via the website includes Bylaws, Operational Manual, calls for papers for IEEE conferences in the Region, regional activities related to GOLD and Student Branches, available R10 sponsorships for IEEE related activities to the Sections and Student Branches, R10 Awards program and other plans of R10 Executive Committee to serve the Region. The website also serves as a repository of historical record of the Region in the form of minutes of the regional meetings, Councils and Sections annual reports and photographic records of various events. After intense work of converting important web pages from the old site into the new design a revamped website was launched in late August.

R10 Newsletter – With the overwhelming support from Regional Committee, Sections and Student Branches from all over the Region, this year the four issues of the R10 Newsletter were published on time. The first three issues were published in March, June and September. The current issue is the fourth and final newsletter for 2007. The newsletter is published electronically in PDF format for on-line reading or downloading for printing by members if they like to have a hardcopy.

It is worth noting that the first two issues made it somewhat obvious to IEEE volunteers that the R10 newsletter provides a medium for Sections and Student Branches to raise their profile in the Region and to let others know about their success stories. This positive effect has started to attract more contributions from across the Region.

REGIONAL SECTION/CHAPTER SUPPORT

Regional Section/Chapter Support Coordinator Prof. Miki Yamamoto distributed membership information of each Society to all Section Chairs in Region 10. An Excel file depicting the number of society members in each Section as bar charts was provided to help Section Chairs to think about new candidate Chapter in their Section.

Miki Yamamoto also picked out the inactive Chapters in R10 from the Rejuvenation Committee documents and contacted Chairs of all those Chapters asking them to re-activate their activities. Section officers were also alerted and asked to watch carefully the re-activating process of inactive Chapters in their Sections.

R10 Sections with more New Senior Members

At the last IEEE Senior Member Review meeting held on 27 October 2007 the number of members upgraded to senior members in R10 Sections were:

Bangalore Section	1
Beijing Section	2
Chengdu Section	2
Delhi Section	1
Hyderabad Section	2
Malaysia Section	5
Nagoya Section	1
New South Wales Section	3
Seoul Section	2
Singapore Section	3
Tainan Section	1
Tokyo Section	1

Senior Member Updates in Excel with listings in three formats: by Region/Section, by Name and by Society can be accessed online from the Senior Member Update Web page at: <http://www.ieee.org/web/membership/senior-members/updates.html>

Related Links

To check on the status of Senior Member applications:

<http://www.ieee.org/ra/md/smappstatus.html>

For the Nominate a Senior Member Initiative:

<http://www.ieee.org/nsmi>

The next IEEE Senior Member Review Panel Meeting will be held on 1 December 2007, in Rio de Janeiro, Brazil. A summary of total number of members elevated to the seniorgrade in 2007 in each Section in Region 10 will be published in the next issue of this newsletter.

For more information, visit:

<http://www.ieee.org/web/membership/senior-members/guide.html>

Six New Publications

- IEEE Reviews in Biomedical Engineering,
- IEEE Transactions on Haptics,
- The IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing,
- IEEE Transactions on Services Computing,
- IEEE Transactions on Learning Technologies, and
- IEEE Intelligent Transportation Systems Magazine.

If IEEE members in Region 10 need assistance with their membership, they can contact IEEE Member Services by e-mail at member-services@ieee.org or by telephone +1 732 981 0060 or by fax +1 732 562 5445

Editorial

This newsletter enjoyed a fabulous support from one and all in 2007; the R10 Director Professor Janina Mazierska, members of the R10 Committee and IEEE Sections and Student Branches from all over the Asia-Pacific region contributing regularly. As a result of this great support we had four bumper issues full of informative and interesting stories with vivid images. Thanks to all the contributors, especially to Professor Janina Mazierska who never failed to send her column on time despite her very busy schedule; not even when she fell ill during the IEEE Board of Directors meeting in Philadelphia.

The Region 10 has been always a very vibrant part of IEEE, conducting professional activities with a touch of colorful cultural diversities. The R10 newsletter provides an excellent medium to share these events with other IEEE members in the Region. For a learning society like us this sharing of our experiences and success stories provides an opportunity for us to learn from each other and to emulate the innovative professional activities for the benefit of IEEE members. This sharing via the newsletter also provides us a sense of belonging to the larger IEEE family in the vast Asia-Pacific region.

Another important aspect of the newsletter is that it captures the history of IEEE activities in the region as it is happening. The old issues of the newsletter will become part of our recorded history in the form of reports and photographs. This is an extremely important reason to get the coverage of our professional as well as social activities published in the newsletter. It is for this important role of the newsletter that it is decided to bring out a special edition next year about the Region 10 history. The special issue will be published in September 2008, just before the IEEE Sections Congress in Canada. It will be an excellent time to show other IEEE Regions that we have been an integral part in making IEEE a global organization. So, please start gathering information about the history of IEEE in your area. Talk to previous Section officers and volunteers and look for old photographs and records of major activities in your Section. May be you should appoint someone in your Section to coordinate the collection of historical record if it does not already exist in some form. Dr Lance Fung is running a Special Project to collect the historical record of IEEE Region 10. Please see the [September 2007](#) issue for full details and how to submit information to R10.

The 2008 schedule for the R10 Newsletter is:

<u>Publication Date</u>	<u>Deadline for submissions</u>
March 2008	22 February 2008
June 2008	23 May 2008
September 2008	15 August 2008
December 2008	14 Nov 2008

Wishing you all a very

Happy New Year!

Editor

SECTION - NEWS & HIGHLIGHTS

IEEE Tainan Section

TENCON 2007

(IEEE International Region 10 Conference)

From October 30 to November 2, IEEE TENCON 2007 was held very successfully in Taipei, Taiwan. [IEEE TENCON](#) (IEEE International Region 10 Conference) is an annual international technical conference sponsored by IEEE Region 10 to provide an international forum for specialist presentations, discussions and interactions. This year TENCON was organized by the IEEE Tainan Section, National Cheng Kung University, and the IEEE Taipei Section. The conference was also supported by the National Science Council, the Ministry of Education, the National Applied Research Laboratories (NARL), the National Center for High-Performance Computing, the Electrical and Information Technology Center at the National Cheng Kung University, the College of Electrical Engineering and Computer Science at the National Cheng Kung University, the Department of Electrical Engineering at the National Cheng Kung University, and the Department of Electrical Engineering at the National Taiwan University.



TENCON 2007 conference venue

The conference attracted more than 600 paper submissions from 21 countries and 391 people registered for TENCON 2007. During TENCON 2007, 324 people joined us in Taipei and a total of 331 orals and 112 posters were presented. On Tuesday, the first day, we had three tutorials, “Side channel attack on cryptographic implementations” by Professor Indranil Sen Gupta, “Streaming Technologies for Peer-to-Peer Networks” by Professor Shueng-Han Gary Chan, and “Space-time Channels and Array Signal Processing for Localization and Communications” by Professor Mostafa Kaveh. In the evening a Welcome Reception Party was held.

On Wednesday, TENCON 2007 was officially opened at 9:00 AM, especially thanks to the Chief of National Cheng Kung University, President Ming-Chiao Lai and the IEEE Region 10 Director-elect, Prof. Yong-Jin Park, International Steering Committee Chair delivered the welcome address. And then the keynote speech and 443 contributed paper presentations followed. There were two keynote speeches “Research Challenges in High Performance VLSI/SoC Circuits and Systems” by Professor Eby G. Friedman and “System Integration of Heterogeneity and Ubiquity for a Better Life Environment” by Prof. Chun-Yen Chang on the mornings of Oct. 31 and Nov. 1 respectively. After the

presentations of most presenters, the banquet was held at Grand Hyatt, 6:30 PM on Thursday. The banquet supplied beer, wine, juice, and sophisticated food and entertainment with live traditional music and dance performances. The conference continued till noon on Friday.



Prof. Yong-Jin Park, IEEE Region 10 Director-elect delivering the welcome speech



The performance at the Banquet

Some interesting statistics for the conference are given below in Table 1 & 2.

Table I. Accepted Paper Number.

Country	Oral	Poster
Australia	13	3
Bangladesh	2	0
Brazil	1	0
China	27	20
France	1	0
United Kingdom	1	0
Hong Kong	3	1
Indonesia	0	1
India	35	19
Islamic Republic Of Iran	5	4
Japan	31	3
Korea, DPR	1	0
Korea, Republic Of	29	8
Lebanon	1	0
Malaysia	5	2
New Zealand	1	1
Philippines	3	3
Singapore	2	1
Thailand	11	3
Taiwan	158	42
United States	1	1
TOTAL: 21 Countries	331	112

Table II. Participants' statistics

1	Taiwan	173
2	Japan	55
3	Korea, Republic of	45
4	India	30
5	China	30
6	Thailand	12
7	Australia	10
8	Hong Kong	7
9	Iran, Islamic Republic of	6
10	Philippines	6
11	Malaysia	5
12	Singapore	3
13	United States	3
14	Bangladesh	1
15	France	1
16	New Zealand	1
17	Indonesia	1
18	United Kingdom	1
19	Vietnam	1
	Total	391



Bonnie Wu (bonniewu@mail.ncku.edu.tw)
Assistant of IEEE Tainan Section

Does your Section want to organise the TENCON ?

If your Section wants to organise TENCON and you would like to know about the background information and preparation of bid proposals, please visit:

http://www.ewh.ieee.org/reg/10/conferences/TENCON/TENCON_homepage.htm



IEEE Kerala Section, India

IEEE Education Society GOLD Activity

The IEEE GOLD Committee set up the position of GOLD Coordinator for the IEEE Education Society in 2007 for the benefit of young engineers of the IEEE Education Society. A technical talk was conducted by Dr. S. H. Mousavinezhad, Membership Development Chair on the international committee of the IEEE Education Society, on the 4th of August 2007. The talk was organized in the southernmost State Capital of Thiruvananthapuram, on the enchanting coast of Kerala, India. Dr. S. H. Mousavinezhad is Department Chair and Professor of Electrical Engineering at the College of Engineering in Idaho State University, USA.



Dr. S. H. Mousavinezhad delivering his talk.

This activity consisted of a talk entitled An Introduction to the IEEE Education Society, ABET and a session on Digital Filters and Digital Signal Processing with MATLAB / MATHCAD Applications. The session was very well received and many researchers and scientists attended. This was hosted by the IEEE Kerala Section, India. More activities for the benefit of GOLD engineers will be planned across the globe under the auspices of the IEEE Education Society.



(Standing Left to Right) Mr. Aju Thomas Abraham, GOLD Education Society Coordinator, Mr. N. T. Nair, Chair, IEEE India Council, Mr. Amarnath Raja, Chair, IEEE Kerala Section and Dr. S. H. Mousavinezhad, Chair, Membership Development, IEEE Education Society.

Aju Thomas Abraham
Chair, Membership Development IEEE Kerala Section, India

IEEE Gujarat Section

All India Student Congress 2007

All India Student Congress (AISC-2007) was organised by IEEE Gujarat Section at DAIICT (Dhirubhai Institute of Information and Communication Technology), Gandhinagar, Gujarat, India on 28th, 29th and 30th September 2007. The three day event was participated by 207 IEEE student members from all over India representing various Sections/Branches. Student members from Student Branches mainly of Bangalore, Bombay, Delhi, Gujarat, Kerala and Madras actively participated in all the events of the Congress. Gujarat Section also organized SPCTS (Student Paper Contest and Technical Symposium), an annual Gujarat Section event, jointly with this Congress and student members presented their papers.

Dr Mini Thomas, Chair, IEEE Region 10 Student Activities Committee, Dr Kasi Rajgopal, Executive Vice Chair, IEEE India Council and Dr P. Suresh Chander Pal, Vice-Chair, Student Activities, IEEE India Council attended the Congress and addressed the participating students. Dr Rajgopal and Dr Pal provided valuable inputs on IEEE to the students. Dr Mini Thomas in her address gave a in depth understanding of IEEE.

IEEE Gujarat Section at the Student Congress was represented by Section Chair Mr Deepak Mathur, Vice Chair and Coordinator AISC2007 Dr. Anil Roy, and Treasurer Mr. Nirbhay Chaubey. Mr. Arup Dasgupta, Membership Development Chair of IEEE India Council also attended the congress.

During the inaugural session Mr. Deepak Mathur, in his welcome address, lauded the efforts of student volunteers of Gujarat Section in organizing AISC2007. He advised the participating student members to add value to their education through IEEE membership. Prof. S C Sahasrabudhe, Fellow of IEEE and Director of DA-IICT, in his motivational speech explained the importance of being IEEE member and its relevance in today's fast changing technical scenario.

The organizing committee took this opportunity to focus on soft skills of the budding young technocrats and engineers through the Student Congress along with some consciously chosen technical sessions. Some lectures on Management Skills were arranged through local experts. In the era of risking one's intellectual capital through sharing or through participating in various contests, it was pertinent to expose these students to Intellectual Property Rights issues and

hence one session was planned with such talk. To make the program more interesting a three hour session was devoted on hands-on session on Animation and Multimedia using the lab resources available at DA-IICT which was very much appreciated. Students also participated also in a quiz contest, "Catechize" (an event by IEEE Student Branch of DA-IICT), a film show and a drama competition night. To complete the objective of facilitating interaction among various SB representatives in an informal way, a full day excursion trip was organized on 30th September to Taranga Hills, about 150 kms away from the venue of the program. This trip was enjoyed by the participants and served the theme of the Congress. The main topics discussed at the Congress were:

- Success through Attitude by Mr. Shyam Taneja
- Intellectual Property Right by Mr. Rajiv Bhatnagar
- Animation & Multimedia by Prof. Binita Desai
- Process Re-Design and Computerization by Prof. V. Venkata Rao
- Time Management by Ms. Neeru Gupta
- Latest products of Microsoft by Mr. Tejas Shah



Students attending the AISC 2007

Student Branch presentations were planned on both days. Each branch representative was given 7 - 10 minutes for the presentation. Presentations were made by 18 SBs. They were requested to include some salient points which, in their opinion, helped them in delivering what they planned to deliver or which they considered as constraints that caused failures on occasions despite their best efforts. Following is the gist of their success stories that might give India Council



a direction while planning to hand-hold Student Branches of India under various Sections.

- Fluctuation in membership.
- Problem in fund generation for conducting any program.
- Students are quite often not interested in only technical programs, which creates a challenge for organizing committee to come up with more attractive programs to meet the students' expectations. This is why many SBs are not proactively organizing programs with the fear of not enrolling required number of students as participants.
- It is observed that industrial trip helps to motivate students to join IEEE. Membership has not shown any down-trend or rather has been increasing in the SBs who organize regular industrial trips. However, at most of the places the industries are not very welcoming for such trips and in sharing time and knowledge with student groups. Hence, many SBs cannot organize industrial trips.
- WIE concept worked at some places in motivating female members.
- Many SBs gave full marks to their respective Counselors/Mentors for keeping the activities alive and motivating student volunteers to contribute towards objectives of IEEE.
- At some places (like ITM Gurgaon) College Management's support helped in creating awareness and increasing membership.
- Some creative centres of excellence or functional society creation work like a long lasting cohesive force in this direction.



Students registering at the AISC2007



Section Chair Mr Deepak Mathur welcoming Dr Kasi Rajgopal, the Executive Vice-Chair of India Council.

The success of this Congress was due to efficient planning and execution done by Mr. Ravi Bagree (Chair, IEEE Student Branch, DA-IICT), Ms. Hina Shah (DAIICT), Mr Raj Shah (Chair, IEEE Student Branch, UVPCE), Mr Aditya Chitral (Nirma), Student Volunteers from V V Nagar and their team under the guidance of Dr Anil Roy.

Deepak Mathur
Chair, IEEE Gujarat Section

IEEE Bangalore Section

INDICON 2007

INDICON 2007, an International Conference and Exhibition was definitely the proud highlight of 2007 for IEEE Bangalore Section. Organized by the Bangalore Section jointly with IEEE India Council, with the theme "Advances in Electrical, Electronics, Communication and Information Technology", the Conference including Tutorials and Exhibition was held during 6 – 8 Sept.'07 at Central Power Research Institute (CPRI), Bangalore. The 16th Annual Symposium of the Section was also clubbed with INDICON.

The inaugural of the Conference was held on the evening of Sept. 6th, which was a well attended function by dignitaries, senior IEEE personnel, the press and TV media. The conference was presided over by Dr. P.C.S. Krishnayya, Life Fellow of IEEE, who also released the Souvenir of the Conference Proceedings. The inaugural key note address was delivered by Prof. S. Sadagopan, Director of IIIT, Bangalore.

Dr. S. Sadagopan, in his keynote address emphasized the need for software engineers to understand engineering and work for the growth of technology rather than getting caught in algorithms. He quoted instances of reputed IT companies doing excellent work in the field of energy and promoting innovative engineering work.

Dr. P C S Krishnayya in his presidential address highlighted the need of indigenous R&D and urged that the country should spend more on R&D. He appreciated the contribution made by the youth of the country in promoting technology.

Both Dr. Krishnayya and Dr. Sadagopan explained the noble role played by IEEE in promoting technical awareness.

Mr. N T Nair, Chair, India Council, emphasized the role of IEEE in keeping the members constantly up-to-date in this era of high technical obsolescence, especially with disruptive technologies in action.

The Conference was attended by over 175 delegates from all over India. With a wide theme for the Conference, INDICON received an excellent response in terms of paper submissions and tutorial proposals. The Technical Committee led by Dr. M.H. Kori, Director, Alcatel-Lucent, handled the onerous job of evaluating the 279 abstracts/papers submitted in the various disciplines within the limited time and selected 102 papers to be presented in three parallel technical sessions spread over 2 days and another 16 papers for poster presentation. Similarly, there were 3 tutorial sessions held on 6th Sept.'07, two of which were co-sponsored by PES chapter. Two plenary talks and five invited talks were also arranged during the conference by eminent speakers. There were 6 stalls represented by

POWERGRID, CPRI, L&T, PRDC, IETE and IEEE. The first three prize winning papers of M.V. Chauhan Student Paper Contest were also presented at the Conference and the certificates were given at the inaugural function.

On the evening of September 7th, a conference dinner banquet was hosted at CPRI along with an entertaining cultural program.

M/s. POWERGRID had the honour of being a diamond Sponsor while M/s. Larsen and Tubro were Silver Sponsors for the Conference. Full details of INDICON 2007 along with photos, full technical program and various committees are available through Section Website (www.ieee.org/bangalore).



This successful Conference was campaigned for by the Section Executive Committee with an elaborative planning and actions for nearly one year. Behind the scene was a lot of dedicated efforts by the INDICON Committee Members, under the able leadership of IEEE Section Chair, Shri A.K. Tripathy, (Director General of CPRI), as General Chair and a host of other committee members and volunteers. The Conference took off well with excellent team work rendered by various Committee Chairs. Dr. Surendra Pal, Shri H. Ramakrishna, Dr. M.H. Kori, Shri K. Ramakrishna, Wg. Commander H.R. Parthasarathy, Shri M.M. Babu Narayanan, Convenor Shri D. Rajagopal, the Section EXECOM and other volunteers including paper reviewers, technical program committee members, patrons, advisors, secretaries and others played key roles. The Section wishes to thank one and all who contributed to the conference's great success. Section also profoundly thanks CPRI, POWERGRID, L&T, Nokia Siemens Networks and others for supporting the conference in many ways.

The next INDICON event scheduled at IIT Kanpur in December 2008 will be hosted by IEEE UP Section jointly with IIT, Kanpur with Dr. S.C. Srivastava, Dean-R&D, IIT, Kanpur as General Chair.

K. Ramakrishna
IEEE Bangalore Section &
Chair, Org. Committee INDICON 2007

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

IEEE New South Wales Section

In the run to the end of 2007, the NSW Section passed a number of milestones and events, bullet pointed:

- We celebrated our 35 year anniversary in August.
- We submitted the first IEEE Milestones Award application in Oceania and the first in R10 outside Japan.
- We have provided a total of around 48 events, meeting and functions that IEEE members in New South Wales participated in. This is an all time record for us. Many were combined with Engineers Australia and IET members – under our tripartite agreement.
- We will have a new look Section website in place by Mid December 2007, fully compliant with the IEEE Section templates. A website content manager has been written, so we no longer need a webmaster! Once fully tested, the IEEE NSW Section will make this IEEE template based content manager available to all Sections and Councils in all regions.

Seasons greetings and best wishes to all from Sydney.

David E. Burger (k3hz@ieee.org)
Chair (2007) IEEE NSW Section



IEEE Singapore Section

IEEE CAS Singapore Chapter

Following the global trend of the decline of IEEE membership, the IEEE Circuits and Systems (CAS) Singapore Chapter witnessed a steady drop in its membership from 92 members (including student members) in 2004 to 77 in 2005 and further to 68 in 2006. In late 2006, the Chapter Committee felt that something must be done to revert the trend of membership declining. The successful organization of the IEEE Asia Pacific Conference on Circuits and Systems (APCCAS2006) in Singapore from 4th to 7th Dec. 2006 by the CAS Singapore Chapter was a major turning point. With a record number of over 500 papers accepted and nearly 500 participants from over 30 countries, this conference had not only popularized the Chapter among local CAS researchers, engineers and students, but also brought sufficient profit so that the Chapter Committee would be able to take a series of effective measures to increase its membership.

Continuing the effort of the 2006 Chapter Committee, the new 2007 Committee has taken the following effective measures to increase its membership by 50% to 102 members in 2007:

- 1) IEEE CAS Society Distinguished Lectures and technical talks for CAS members and guests;
- 2) Cruise cum high tea – a social event for CAS members, guests and families;
- 3) Graduate Student Workshop in circuits, systems and signal processing mainly for graduate students in Singapore.

In particular, the Graduate Student Workshop is highlighted here. As the number of young researchers and engineers in CAS has grown rapidly in recent years, a key step in membership drive is to attract young people to join CAS. Towards this end, the Chapter Committee invited a GOLD member as well as a PhD student to join the Committee this year to provide effective feedbacks on the needs and

interests of potential young members. As a result, the Committee recently organized the first ever graduate student workshop in circuits, systems and signal processing on the 25th September, 2007. Five PhD students, from the National University of Singapore (NUS) and Nanyang Technological University (NTU), Singapore, were invited to present their researches. The workshop was sponsored by the CAS Society. The Chapter Committee had put in a lot of effort and the workshop was a big success. About 60 participants attended the workshop, mainly PhD students from NUS and NTU. The Chapter Committee is pleased to see the increase of the number of CAS student members in Singapore from 1 in 2006 to 20 now in 2007. We plan to make this workshop an annual event in the future.

The effective measures by the Chapter Committee have led not only to the drastic increase in membership in 2007, but also to due recognition. The CAS Singapore Chapter has established itself as one of the most active IEEE Chapters in Singapore and attracted much attention. We are very pleased that our Chapter has recently been voted as the 2006 best local Chapter among over 20 Chapters in the IEEE Singapore Section.



CAS student member speaker Mr R. Mahesh presenting his research at the Graduate Student Workshop.



The five student member speakers with CAS Singapore Chapter Chair Prof. Lin after receiving certificates.

IEEE REL/CPMT/ED Singapore Chapter

On 30th October the Chapter organised a technical talk on “Thermal Microsystems for Electronics Thermal Management across Multiple Scales” by Professor Suresh V. Garimella, Director of NSF Cooling Technologies Research Center at Purdue University.

Mr Li Wei, a student from the School of Electrical and Electronic Engineering, Nanyang Technological University (NTU) in Singapore won the inaugural prestige 2007 IEEE

Electronic Device Society Masters Student Fellowship. Only five awards, each worth US\$2000, are given worldwide per year. A/Prof Tan Cher Ming supervised Li Wei's and A/Prof Pey Kin Leong nominated him for the award.



A/Prof Yeo, HOD of Circuits and Systems presenting the certificate to Mr. Li Wei on 18 Sept 2007



From left: A/Prof Yeo, A/Prof Tan Cher Ming, Li Wei and A/Prof. Pey Kin Leong

Chapter's flagship conference on failure analysis, the International Symposium on the Physical and Failure Analysis of Integrated Circuits (IPFA 2008) will be held in Singapore from 7th to 11th July 2008. The second call for papers has now been issued and is available at <http://www.ewh.ieee.org/soc/cpmt/singapore/> The deadline for abstracts is 18th January 2008

Chapter's packaging conference, the 9th Electronics Packaging Technology Conference (EPTC 2007) will be held in Singapore 10th to 12th December. Full details can be found at the website: <http://eptc2007.conf.org/>

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Associate Professor
School of EEE, NTU, Singapore

IEEE Shikoku Section

English Presentation Award

The fifth English presentation contest sponsored by IEEE Shikoku Section was held as a part of the 2007 Shikoku Section Joint Convention of the Institutes of Electrical and Related Engineers (SJCIEE'07) in Tokushima, Japan on September 29th. In Japan the official languages for this kind of convention are Japanese and English, however, Japanese students usually do not present their talks in English. For this convention English sessions were planned five years ago to give opportunities for presentations to international students, and also to stimulate Japanese student for international activities. The Award Board gives about ten percent of speakers the best presentation award every year.

This year, thanks to publicity of the committee members, 70 papers were submitted for English sessions, and 64 speakers (IEEE student members) including several international students entered in the contest. These numbers have swelled by 50 percent compared with the last convention. The three parallel sessions took a whole day. Although an abundant numbers of examiners (IEEE regular members) were not assigned for each session, the board finally managed to select six winners who presented nicely and answered clearly for questions from audience, examiners and the chairs. It is noteworthy that speakers who are experienced in English are not always the strongest candidates, but honest and enthusiastic speakers who could explain their own research confidently were selected.

The student membership of IEEE was a condition for entry, checking membership status was burden toil for the Board members since some students had applied for admission just before the contest. However, we realize that this event is not only development of new IEEE student members but also organization of student groups, which possibly form student branches. We hope some of them become a moving force of research activities in Shikoku Section in the future.

Hiroyuki Tarumi

Professor, Faculty of Engineering, Kagawa University

IEEE Malaysia Section

Self-Development Workshop

IEEE Malaysia Section with assistance from its Power Engineering Society volunteers organized a Self-Development Workshop entitled 'The Best of Me' on the 25th August 2007. The event organized under IEEE Malaysia Section Educational Activities portfolio invited Ms. Anita Lawrence, a Certified Personality Trainer of Personality Plus© in Malaysia, with the objective to bring about positive and lasting change to our volunteers not only in their work performance but in their personal lives as well. This event was supported by IEEE Region 10 Educational Activities Committee.

The workshop was attended by 34 IEEE volunteers who took part in activities and games that enabled them to understand the importance of right mental attitude towards one's success. This then empowers them to identify and acquire the right attributes to be a successful person, using the power of the mind to recondition themselves.

The workshop introduced the Personality Plus© as a tool in enabling them to understand the four different Personality types in people that they come across in their daily lives and how to get along with each of them. It also helped them to identify the qualities that they have and the qualities they would like to acquire by understanding their own personalities. As a result, they will be able to maximize the use of their strengths and manage their weaknesses to achieve their personal and organizational goals.

Some of the feedbacks received from the workshop are as follows:

- Very informative and useful for self-improvement and personality development. The topics and ideas discussed were very beneficial.
- Enhanced understanding about human nature, which is useful in dealing with colleagues and superiors at work.
- It's short, concise, resourceful and practical.
- Able to identify different Personalities in order to meet their needs.



Shikoku Section staff and presenters at the closing ceremony

- Personality Plus was the most useful module.
- The examples and group discussions were practical and enabled better understanding and application of the subject matter.
- Good overall awareness of different characteristics of people and ability to understand one's self.
- Opened my mind to accept the differences in others.
- Learned a lot of techniques and motivation to change habits.

Finally the workshop concluded with an activity that enables participants to understand the importance of recognition and appreciation in building a positive and motivated team. It encouraged the participants to understand one of the keys to influence positive behaviour in their colleagues and subordinates by giving sincere recognition and genuine appreciation. At the end of the day, participants were highly motivated to become a better person; they learnt something very useful about the people around them, but most importantly they are more aware of their own personality.

It was indeed a very fruitful workshop as many of the participants stated that they intended to improve themselves in every area of their lives by using the tools and ideas learnt throughout the workshop. They also had fun while learning. This was indeed a good start to enabling people to take charge of their lives and enjoy a more balanced, fulfilling and enriching life...personally and professionally.



Group Presentation – Ice Breaker session



Group Dynamics - Discussion in Progress



“The Best of Me” Workshop participants

Michael Joseph
PES Chair, Malaysia Section

IEEE Kharagpur Section

Gas Insulated Systems - a way to compact Power Systems

Under the sponsorship of IEEE Region 10 Educational Activity Committee, a workshop on Gas Insulated Systems was organised by IEEE Kharagpur Section on Oct. 28, 2007 in Gargi Hall of Srinivasa Ramanujan Complex of IIT Kharagpur. The workshop was coordinated by Prof N K Kishore of EE Department, who is the Chair of the Section.

Keeping in view the increased demand for electrical energy the workshop was organised on Gas Insulated Systems - a way to compact Power Systems. Workshop addressed two major issues i.e. need, physics and problems of GIS in the forenoon session and necessary diagnostics in the afternoon. There were a total of 45 participants, of which 12 were teaching faculty, 5 were doctoral students, 16 masters students and 12 undergraduate students. Being part of educational activity, only academic community from the Institute and colleges from outside, as far as Hyderabad, attended the workshop.

Workshop began with an introduction by Professor N K Kishore, which was followed by an exposure to Medium Voltage GIS - right from Planning to operation by Dr B P Singh (Former Chief GM of BHEL (R&D) Hyderrabad) presently Principal, Jyothismathi College, Karimnagar Hyderabad. He is responsible for several Gas Insulated Sub stations in operation in twin cities of Hyderabad & Secunderabad. This was followed by a deliberation on Particle Movement in GIS - a crucial issue in operation by Dr J Amarnath, Professor of EE at JNTU Hyderabad.

Post lunch session dealt with Diagnostics starting with a talk on Condition Monitoring by Dr M Joy Thomas of Indian Institute of Science, Bangalore. He stressed on the importance of Partial Discharge Measurement - a Non Destructive test technique. This was followed by a talk on Dielectric Spectroscopy - a state of art insulation assessment technique by Dr B Hemalatha of the Institute.

It was very well received event and participants were made aware of the need for compact Power systems and means of achieving through GIS.

Prof. N. K. Kishore
Chair, IEEE Kharagpur Section

Thailand Section

An electronic camp (E-Camp) organized by Chulalongkorn University Student Branch

40 high school students around Bangkok attended a 5 day camp from 10-14 October 2007 at Chulalongkorn University. Students were first introduced to basic electronic components and digital multimeter, followed by hands on experimentations with basic digital circuits using breadboards. Then a laboratory session in which each student had a chance to solder a printed circuit board with microcontrollers (MCU) from Microchip Technology. The camp concluded with a C programming lesson to program the MCU board. The major funding was obtained from National Electronic and Computer Technology Center (NECTEC). This activity has been organized by IEEE Chulalongkorn University for at least 5 consecutive years.



Seminar on Electrical and Electronic for Sustainable Development

To celebrate the King's 80th birthday in December and his concept of self sufficiency, IEEE Thailand held a grand seminar on 2 November 2007. Various topics in Power, Electronics, Telecommunication and Information Technology were discussed under the theme "Electrical and Electronic for Sustainable Development". Keynote addresses were given by Privy Councilor Air Chief Marshal Kamthorn Sintuwanon, Dr. Piyaswat Amaranan (the Minister of Energy), Dr. Sittichai Pookaiyaudom (former Minister of Information and Communication Technology and IEEE Fellow) and Dr. Srisakdi Charmonman (Chairman of Computer Chapter). The total number of participants were about 400.



Joint Technical meeting on High Voltage and Power System Engineering

IEEE PES chapter of Thailand Section host a joint symposium in Advanced Technologies in Power Systems from 19-20 November 2007. The symposium was co-organized by IEEJ (The Institute of Electrical Engineer of Japan) and EIT (Engineering Institute of Thailand). There were 48 papers from industries, utilities and universities from Japan and Thailand. Topics were in the areas of Power System Engineering, Studies of South East Asia Power Network, Distributed Generation, Microgrid, Plant Project, Lightning and Electromagnetic Transient Program. The symposium was participated by more than 100 audiences.



Ekachai Leelarasmee
Secretary, Thailand Section

IEEE Taipei Section

Significant Events of 2007

By the end of year 2007, there are many activities in Taiwan sponsored by Taipei Section. Five of the most significant events are reported as below.

2007 International Workshop on Health Risk Analysis and Management of Wireless Communication EMF Exposure was held at National Taiwan University on 23 Oct 2007. The workshop was jointly organized by the three Colleges of NTU, i.e., Colleges of EECS, Public Health, and Social Science, which also reflects the diversified interests in this controversial issue. The IEEE Taipei Section, together with three Taipei Chapters of EMC, COM, and EMB, co-sponsored this event and the Director of IEEE Taipei Section, Prof. Ruey-Beei Wu, served as the workshop Chair. The workshop started with the welcome remarks by Prof. C. S. Lee, the President of NTU, Prof. C. H. Liu, the vice President of Academia Sinica, and Prof. J. F. Chang, the President of National Chi-Nan University. The technical program included the invited speeches by three academia experts in the area of public health, Prof. C. C. Chan from NTU, Prof. J. D. Wang from NTU, and Dr. Henry Lai from the University of Washington; and notably, four world-leading experts in this area, Dr. Paolo Vecchia, the Chairman of ICNIRP, Dr. Chung-Kwang Chou, the Chairman of IEEE ICES Technical Committee 95, Dr. Michael Repacholi, the former Coordinator of WHO EMF program, and Dr. Robert F. Cleveland Jr., the former FCC officer on EMF regulation. There were more than 200 attendees, widely distributed among the academia, industry, government, and activists. They also participated at the panel session and raised their questions and comments. This

workshop has successfully initiated a forum of stakeholders of different concerns for the interchange of viewpoints through frank and rational discussion. It has shed light on constructing the risk analysis and management model for EMF exposure in Taiwan, with the hope of reaching consensus on the science-based EMF standards which suitably take into account the precautionary principle.



Delegates and speakers from 2007 International Workshop on Health Risk Analysis and Management of Wireless Communication EMF Exposure

The conference of the **20th Computer Vision, Graphics and Image Processing (CVGIP)** was held on 19 – 21 August, 2007 covering many research aspects including the electronic, electrical, telecommunications, computer science and engineering, and information management, etc. The attendees of this meeting were from universities, research institutes such as Academia Sinica, ITRI, III, CHT-TL, and related companies and industries. This conference aims at providing the forum of academic and future trend, and paper presentation in the computer vision, graphics and image processing field to exchange research and practical work experience.

Due to the enthusiastic participation of the attendees, this conference was very successful. At this conference, there were 174 papers reported and 470 delegates, including researcher, professors, students, and community members, attended the conference. This conference provided the opportunity for the industry to promote their productions and seek the cooperation with research institutes and universities. Besides, there was a three-hour panel session included in the conference attended by 200 audiences. The panellists came from industrial circles and academia to focus on the experience sharing on surveillance by computer vision technologies.

The **4th IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS 2007)** was hosted by the Department of Computer Science and the Department of Communication Engineering of the National Chiao-Tung University, Hsin-Chu, Taiwan, on 20-21 August, and was sponsored by the industry and research institutions such as ITRI (Industrial Technology Research Institute) and Intel. Prof. Yu-Chee Tseng served as the general chair and Prof. Li-Chun Wang served as the technical program chair. We also invited Dr. Chung-Yu (Peter) Wu (the president of National Chiao-Tung University, Taiwan), Dr. Wen-Tsuen Chen (the president of National Tsing-Hua University), and

Dr. Wan-Lee Cheng (the president of Chung-Yuan Christian University) to serve as the honorary Chairs.

In the conference, Prof. Nak-Myeong Kim (Ewha University, Korea), Prof. Mamoru Sawahashi (Musashi Institute of Technology, NTT DoCoMo, Japan), and Prof. Jenn-Hwan Tarng (National Chiao-Tung University) were invited for keynote speeches entitled “Competitions in R&D and Services of “3G and beyond” Mobile Communications in Korea”, “Future Broadband Packet Radio Access and MIMO Experiments”, and “Research and Development of Wireless Communications in Taiwan”, respectively. There were a total of 97 papers presentations at the conferences. These papers mostly were contributed from Taiwan, Japan, and Korea, and some of them even come from P.R. China and Pakistan. There were 163 people that registered for the conference, and many of them were students. This helped students to share their research results and promote the academic exchange among different countries. The APWCS 2008 will be held at the Tohoku University, Sendai, Japan.



Keynote speech presentation at APWCS 2007

To promote and introduce the required technologies for the state-of-the-art UWB personal area network using system-on-chip (SOC) technology, the **Tutorial Workshop on SOC-UWB Wireless Personal Area Network Design Technologies** was held at Taichung, Taiwan on 29 August 2007. The contents of this workshop included the introduction of the system specification, the analysis and the design of the signal processing algorithms, the design method with hardware and software, and the verification flow of the UWB systems.

In the first section, the physical-layer specification of the IEEE 802.15.3 UWB was introduced. The system design and the signal processing architecture of the IEEE 802.15.3 UWB physical layer were discussed in the second section. In the third section, the system design and the signal processing architecture of the IEEE 802.15.4 LR/WPAN physical layer were described. Finally, the system design of the IEEE 802.15.3 UWB MAC layer was covered. From this training, the attendees learned clearly about the related practical technologies and the design methods. Based on the experiment sharing, the integrated skills of the UWB systems were also stimulated in the academic communities.

Micro electronics is Taiwan’s main developing industry in recent years and is also an important foundation for other technological research. National Chiao Tung University which is next to HsinChu Science Park, Taiwan’s Silicon Valley has played one of the important roles in the education and training high tech experts for the past 30 years. Hence, the Micro Electronic Camp which is held by NCTU every summer is very well known.

The **20th of Micro Electronic Camp** on 5 - 11 July gave a great prospect in micro electronic to the high school students in Taiwan. Electronics, logic design and other basic computer knowledge were presented in the camp. These high school students visited the National Chip Implementation Center, Nano Facility Center and the semiconductor company UMC which are the largest labs and company in Taiwan. The camp also invited Professor Shyh-Jye Jou, Bing-Yue Tsui, Juinn-Dar Huang and other IEEE members to give speeches. With these activities, all participants understand more about the development and relative fields of electronic engineering, and also interest more high school students in micro electronic and IEEE organization.

Prof. Ruey-Beei Wu
Director of IEEE Taipei Section

IEEE South Australia Section

2007 IEEE Student Awards

The IEEE South Australia Section annually presents an award (a certificate and prize money) to a student from each three universities in South Australia, who has demonstrated outstanding performance at second-year level in a practical subject relevant to IEEE fields of interest. This program was established in 1992 and three awards are made annually. The prize amount was raised to \$500 in 2002.

The 2006 IEEE Student Award certificates and cheques were presented by the Section Chair, Assoc. Prof. Arek Dadej during the annual "Student Paper Night" held at Engineers House, North Adelaide, on Tuesday 24 October 2007. The meeting was part of the Joint Technical Program in Electrical/Electronic Engineering arranged by a committee of the IEEE, IET, TSA, and Engineers Australia.



The recipients of the 2006 IEEE South Australia Section Student Subject Prizes (presented in 2007) were:

1. Tom Badgery, School of Informatics and Engineering, Faculty of Science and Engineering, Flinders University
2. Nathan James Grocke, University of South Australia
3. Peter Burnell and Warren Tuck, The University of Adelaide (Winners shared the prize money but received separate certificates).



Recipients of IEEE SA 2nd Year Student Award with Section Chair Assoc. Prof. Arek Dadej

Dr Leigh Powis
Vice Chair, IEEE South Australia Section

Words of Wisdom

Clarity -The Catchword for Engineers

As engineers we are expected to give solutions to societal problems of engineering nature. At implementation scene, directions are required to be given as to how the work is to be carried out. Clarity is the catch word here – Clarity in thoughts and clarity in expressing them for the recipient to understand it fully and act upon. While this clarity-trait is essential for all those engaged in various activities, especially of interactive nature, it is more so in the case of engineering community, generally addressing complex problems.

Engineering is becoming more and more interdisciplinary in complexion, with its services and influence reaching more sections of society. Medical profession is increasingly utilising engineering techniques in the form of diagnostic, therapeutic and other healthcare systems. Agriculture sector is another domain where engineering is making greater inroads, helping farmers to improve productivity. Education field is also getting highly engineering-enabled. In all these and other areas where engineering is establishing its role as a key player, clarity in exchanging information is vital. This is specially so, as the interaction is often among people from other domains who may not understand the jargons and expressions of engineering domain. Hence the special emphasis for clarity in the present times.

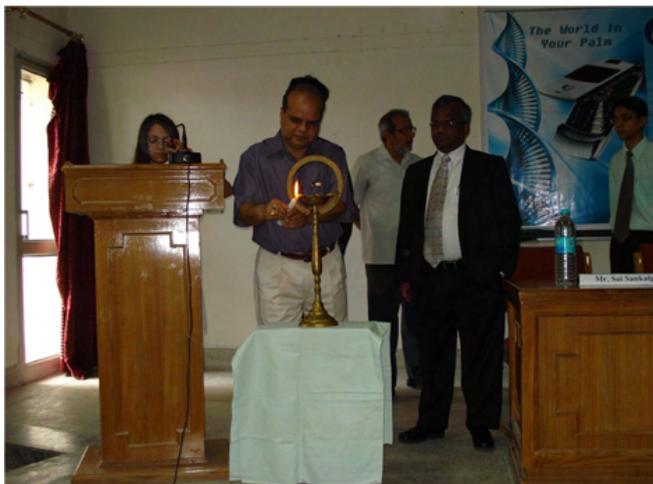
N. T. Nair (ntnair@ieee.org)
Chair, IEEE India Council

STUDENT BRANCH - NEWS & HIGHLIGHTS

The IEEE Student Branch IIT Roorkee

IEEE IIT Roorkee & Motorola Joint Summit on Mobile Communications

The IEEE Student Branch IIT Roorkee organized “Joint Summit on Mobile Communications” in collaboration with Motorola India Research Labs (MIRL) on the 22nd -23rd of September, 2007. The event was chaired by Dr S. C Saxena, Director IIT Roorkee. Dr Chandra Kintala, Director MIRL, was the chief guest of the event and Dr. Subrata Ray, Dean SRIC, IIT Roorkee was the guest of honour.



Director IIT Roorkee inaugurating the event

On the 22nd of September, in the morning session there were lectures by the managers of MIRL on current mobile technologies like Mobile handsets, Wireless Infrastructure, Managed and Hosted Services, Broadband Equipment (wired as well as wireless), Trunking & Two Way Radios, Software Development, Applied Research and Development on seamless mobility/convergence technologies. In the afternoon session, the faculty of IIT Roorkee presented the ongoing research in the area of mobile communications and other mobile applications. Every lecture was followed with a ten minute interactive session between the undergraduate, graduate students, faculty and Motorola managers. This was followed by a panel discussion on “Research Collaboration between Industry and Academia” in which various advantages and disadvantages of the collaboration were discussed. The first session of the discussion was amongst the faculty of IIT Roorkee. The second session was open to the students, during which the students put forth some interesting views on the advantages of such collaboration and outsourcing of projects to students as well.

On the 23rd of September, there were presentations by the students on Mobile Innovation Contest, in which the students presented novel ideas in the fields of mobile communication, designs and other technical aspects related to mobile technology. The presentations of the students were well appreciated by the Director and managers of MIRL.

The main objectives of the IEEE – Motorola Summit were:

1. Mutual information exchange in ongoing research topics in IIT-R and Motorola Labs for potential collaboration.

2. Discuss the ongoing research in Mobile Communications.
3. Expose IIT-R students (B.Tech, M.Tech, Ph.D & Post-docs) to the research mission and activities of Motorola Labs.
4. Promote innovative thinking in students through a student’s competition on innovative ideas for mobile communication in India.



Dean SRIC giving his speech



(from left) IEEE Student Branch Chair, Dean SRIC, Director IIT Roorkee, Director MIRL and SB Secretary



Panel discussion

Sachin Katiyar
Secretary, IEEE Student Branch
Indian Institute of Technology Roorkee

IEEE Student Branch, The University of Auckland Activities Report

In the past few months, the IEEE Student Branch at the University of Auckland has successfully run two new and exciting events: a tour for prospective Electrical & Computer Engineering students and a quiz night. To conclude our year, the branch held a very enjoyable dinner for all the members of the committee.

As the final year Electrical, Computer Systems and Software Engineering students spent many sleepless nights preparing their final projects, the Student Branch committee had a bright idea: why not encourage first year engineering students (yet to choose a branch of engineering study) to check out the great opportunities offered by a degree in Electrical, Computer Systems or Software Engineering? A plan was hatched to take a group of such students on a tour of all 102 projects in the many areas and branches of this degree. After the tour, they would be offered information pamphlets on the degrees and IEEE, and a chance to ask questions to current students from the department. To close the deal, there would be free pizzas and soft drinks afterwards for tour participants. The event would be an excellent opportunity to showcase the electrical, computer and software paths of the engineering profession and at the same time give students their first introduction to IEEE.

The tour was a complete success, especially for a first time, and over 100 students attended on the day. Student branch committee members made excellent tour guides but an hour was perhaps not long enough for a full inspection of all the projects (a rate of one project every 45 seconds!). The tour guides helped the students find and explore the many labs of the department, from microwave and power to robotics and software. Following the tour, the guides mingled with the students and happily answered any questions they might have about the degrees and IEEE. The hungry first years quickly devoured the pizzas, and went away very happy, with excellent first impressions of the degrees on offer, and of IEEE.



The next major event was a social one: the Inaugural ECE (Electrical and Computer Engineering) Department Quiz Night. This event, based on a 'pub quiz' format, proved an excellent success with 13 teams and over 100 participants from the department. The event was sponsored by Vodafone NZ Technology, and the ECE Department, as well as IEEE. It was an excellent opportunity to reward our existing members as well as to raise the profile of the Branch as a core student organisation. The MC, Dr. Mark

Andrews, did an excellent job and kept the crowd well entertained with his 'Über-Geek' round filled with questions about lecturers and some tricky mathematical brainteasers. Questions such as, "Which is larger, e or e^e ?", "The word 'transistor' is a portmanteau of what two words?" and "What is the meaning of the word 'callipygian'?" proved to be challenging as well as memorable, and were the talk of the department for several days.



To wrap up the year, and to thank the student branch committee for all their hard work, the branch held a dinner at a local restaurant to show our appreciation. As a volunteer organisation, it is important to remind the volunteers how important they are and make it known to them that all their hard work is very much appreciated. This dinner provided the perfect opportunity to show our gratitude to all our committee members. The event was well received and it was great fun.



George Gordon
Chair, IEEE Student Branch
University of Auckland, New Zealand
www.ece.auckland.ac.nz/~ieeee-student

IEEE Computer Society Offers Free Software to Student Members

All IEEE Student Members who join the IEEE Computer Society will automatically be eligible to download development software from Microsoft, including Vista Business Edition, Visual Studio Team System, Expression Web Designer, Project 2007, Visio 2007, and Windows Server 2003. Students will be emailed an MSDN user account with login information after completing an IEEE Computer Society application. [Apply for membership](#)

IEEE Student Branch, Islamic University of Technology (IUT), Bangladesh

Activities Report

It started just like any other year, but then turned out to be one of the most exciting years for IEEE Student Branch, IUT. Surely, things to be done never looked so easy, but then teamwork is what saved the day. This year, the Executive Committee of the Student Branch comprised of:

Counsellor	Prof. Dr. Ashrafu Haque
Mentor	Mr Riaz Raihan Haque
Chair	Mr Tahmid Latif
Vice Chair	Mr Moinul Momen
Secretary General	Mr Kabir Ahmed
Treasurer	Mr Tanveer Ahmed Chiudhury

For the effective functioning of the Student Branch, additional posts were assigned to the following members:

Programme Coordinator	Mr. Choudhury Mahboob Ellahi
Joint Programme Coordinator	Mr. Maruf Billah
IT Coordinator	Mr. Yeasin Razib
Joint IT Coordinator	Mr. Yaser Md. Tasif Khan

This year, IEEE Student Branch, IUT became one of the most active organs of the university organising a total of 3 seminars, 2 technical tours and a few movie shows. While seminars and tours were exclusively offered to the Student Branch members, almost the whole university got to enjoy the movie shows.



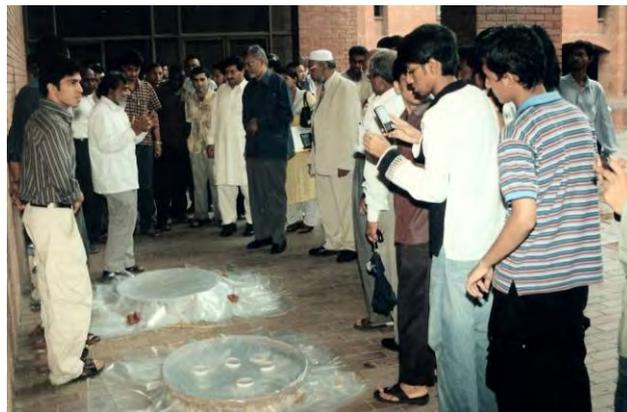
Some members of the Student Branch at IUT

Student members got the opportunity to visit 2 of the country's leading mobile phone operators. Starting from the basics to the high-tech activities involved in the companies, almost everything was explained to us and not only the tours were informative but fun as well. Visiting some of the divisions in the companies, the touring members learnt many fascinating things worthy of noting down.

The 3 seminars dealt with higher education in Purdue University Calumet, USA, Microcontroller and Microprocessor based system and water disinfection using solar energy. Prof. Akram Hossain, a Bangladeshi professor from Department of Electrical and Computer Engineering Technology, Purdue Calumet explained the educational infrastructure of Purdue Calumet and discussed the possibility of Bangladeshis going there. Prof. Hossain also gave a presentation about one of his papers.

The most interesting of all 3 seminars was the one on water disinfection. On the afternoon of Tuesday, August 14, 2007,

IEEE Student Branch organised the seminar titled "Drinking Water disinfection for rural areas and for emergencies using Solar Energy" in IUT Auditorium. Prof. Dr. K Siddique-e-Rabbani, Visiting Professor, Department of Electrical and Electronic Engineering (EEE), IUT, was the keynote speaker.



Prof Rabbani demonstrating his Water Disinfection System at the end of the seminar

Tahmid Latif

Chair (2007), IEEE Student Branch, IUT

IEEE Student Branch NUCES, Karachi

IEEE Newsletter Launched

IEEE newsletter was launched last month by IEEE-NUCES, Karachi. Newsletter includes the campus news and technological updates at both national and international front especially technologies which are backed by IEEE. It is the best way to inform the people regarding the different activities taking place in and off the campus. It also helps in updating the other campuses about the happenings in our campus. Electronic copy of newsletter was also uploaded so that people from outside the campus can access it. Specially, it was highly admired by alumni who are always interested in knowing about the current activities in the campus. This newsletter was the product of team effort of whole IEEE team but special effort was given by:

Ravendar Lal, Editor Newsletter, IEEE-NUCES Karachi
Neha Hafeez, Editor Coordinator, IEEE-NUCES Karachi.

Printed Circuit Board Designing Workshop

On Wednesday 21st November 2007 a workshop on Designing Printed Circuit Board was conducted at IEEE-NUCES Karachi Campus by Mr Zoraze Ali the workshop was targeted to students of all batches.

Students gave an overwhelming response to this workshop and urged the IEEE Executive Committee to conduct the workshops of similar standard in future. Mr Obaid Nasir (Chair IEEE SB) unveiled the plans of conducting workshops on WiMax and other emerging technologies.

This workshop shows the plans of newly elected executive committee to promote knowledge based activities at IEEE-NUCES Karachi.

IEEE-NUCES (Karachi) Executive Committee

R10 Student Branches List

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

UWA IEEE Student Branch

2007 - A Year of Remarkable Achievements

2007 has been a year of remarkable achievements. Recently we have been awarded the IEEE Australia Council Outstanding Student Branch Award. Earlier this year the Student Branch won 3rd place in the IEEE Region 10 Website Contest as well as 3rd place in the International IEEE Student Branch Website Contest. These achievements have ensured the recognition of our Student Branch achievements on national, regional and international level.

During the course of the year we have successfully held a variety of events which take care of the professional and social interests of students. Many of these have been detailed in past Region 10 newsletter articles this year.

A social event of particular note was our quiz night held at the UWA Tavern. Due to the excellent turnout and very positive feedback from attendees, we plan to make this an annual affair. Sponsorship from local businesses around campus was secured, with attendees enjoying a wide selection of games and prizes.



The quiz night at the UWA Tavern

On Wednesday 17th October, a site visit was conducted at the Western Australia Supercomputer Program (WASP) facility at the UWA. WASP provides advanced resources for high performance computing, as well as scientific visualization and virtual conferences. This site visit was attended by both staff and students and consisted of a tour of the secure supercomputer room, access grid videoconferencing facility and visualization equipment, including a stereoscopic (3D) display and immersive dome environment.



At the WASP facility

On Tuesday 9th October our Annual General Meeting was held at the Blakers Lecture Theatre. It was pleasing to see such a strong interest in our Student Branch committee. We have a good mix of new and more experienced candidates in our branch which will ensure that we continue to provide good quality representation to our students.



Final Year BBQ

I would like to take this opportunity to thank the 2007 UWA IEEE Student Branch committee for their hard work and dedication over the past year. This has been the most successful year in the history of our Student Branch – both in terms of IEEE membership numbers, a testament to our successful membership drives, and in terms of events and student involvement.

Special acknowledgement must be made of our Student Branch Counsellor, Dr. Jasmine Henry for her continued dedication and support with all IEEE matters. The 2008 committee, with Dr. Henry as counsellor is well placed to further improve on the successes of 2007.



Timothy Wong
2007 Chair, UWA IEEE Student Branch

Send your news items and articles to R10 Newsletter Editor by email:

r10-ecn@ieee.org

Please send photographs in JPEG format in separate files

IEEE Student Branch NIT Warangal

Events Highlights

The **Open Source Workshop** held at NIT Warangal was a first of its kind event here. Organised by the IEEE Student Branch the event saw participation by students from more than 10 colleges in and around Warangal.

[www.osw.nitw.googlepages.com/index.html]

The Event began with an inaugural function on the 17th of March as planned at 9:30 am in the morning. Senior professors from the college graced the occasion with their presence. There were 120 registered participants. Mr Raju Alluri from SUN MICROSYSTEMS INC gave a talk on contribution of SUN towards open source and its products on the open source arena. At the end of the session Mr Raju gave away Open Solaris DVD's to students. He also showed the demonstration of DTRACE on Solaris machines right after the talk.

A distinctive feature of the workshop was stalls organised by students.. Student members from NIT Warangal put on a great effort in putting up stalls on different open source products and solutions. The students also distributed handouts at the stalls.

At the evening session Mr Suman Karumuri from YAHOO R&D Bangalore gave a talk. He spoke on "how to be a good software engineer". Mr Suman distributed goodies in the form of Yahoo T-Shirts and pens at the end of his talk.

The next day i.e on the 18th of March the delegates from CARITOR Bangalore and GOOGLE Hyderabad shared their experiences with the students on different open source solutions. Every session was accompanied by stalls put up by students as well.

The stalls were of three natures

- 1) Open source desktop systems
- 2) Linux - internals
- 3) LAMPP

The Open Source Workshop was a very good initiative by the Student Branch to start with and we propose to have this as an annual event.



Industrial Tour to ISRO - SDSC

The IEEE Student Branch of NIT, Warangal organized an industrial tour to the Indian Space Research Organization (ISRO), Sriharikota on 21st Nov., 2007. A total of 63 student members along with Dr. D.V.S.S Siva Sarma, our branch counselor went for the trip. We took a train to get down at the nearest station, Sullurpet from where we

boarded a bus to reach the SHAR Space Club, a well-furnished recreation club especially for the ISRO employees. After quick refreshment, we cruised through a smooth road flanked by the Pullicard Lake to reach the gates of ISRO. A huge expanse of greenery with the bust of Satish Dhawan at its centre, greeted us as we stopped at the Control Centre.

Our first stop was at the MAIN CONTROL CENTRE. We were shown an inspiring half hour movie about the achievements and contributions of ISRO towards the development of Indian space research. The crucial final decisions regarding a launch are made at this centre.

The rollicking mood was kept alive when we next visited the the LAUNCH PAD with its umbilical tower surrounded with lightning diverters and closed circuit cameras. After assembly, the rocket is dragged down to the launch pad on rollers with the base called a Crawler. As we climbed up to the top of the stationary crawler, our hearts stopped for a moment as we looked down the 64-metre high construction. A clear aerial view of the entire ISRO campus could be seen from up-above with the island surrounded on one side by the Bay of Bengal and the other three by the majestic Pullicard Lake.

Gaining insight into how the organization functioned was a valuable experience for the students. Following the tour, we had our fun and frolic to get our minds away from the technical fiesta as we visited the nearby bird-sanctuary. The fascinating swans, pelicans and king-fisher birds were a treat to everyone's eyes.

The success of the tour could not be achieved without the efforts of Mr. Pandu Ranga Rao, Scientific Officer, ISRO, and our official guide for this tour. We are greatly indebted to him for his contributions and also thank all the members for their co-operation.



Students at the Indian Space Research Organization

Presentation at International Conferences

Two projects done by the Student Branch members of B.Tech final year computer science have been accepted for presentation at the IEEE international conference on High Performance Computing (www.hipc.org) to be held this December at Goa, and the IEEE international conference on E-Science and Grid Computing (www.escience2007.org) to be held this December at Bangalore.

Other Regular Events

Discussions: Discussions by and for the students on various latest engineering topics such as QUANTUM COMPUTING and CRYOGENIC ENGINEERING.

Projects: Seniors of the Student Branch presented the projects that they undertook during the summer. The highlights were

- Project on routing protocols done under the direct guidance of Mr Venkat Pullela Director Cisco India who is an alumnus of our institute. Two groups of junior students are successfully continuing the project with further implementations
- Project on wireless sensor networks executed at the Indian Institute of Technology Mumbai

A short event called KNOW YOUR BRANCH was organised for the benefit of the first years. The first years were made aware of the scope and opportunities their respective branches have to offer for them through this event.

The Student Branch conducted the elections of the executive council for the year 2008 on the 31st of October. The elected representatives are

Chairman	B VARUN
Vice chairman	ADITYA MAIRA
Secretary	DHRUV CHHABRA
Treasurer	M SAI KRISHNA

The student branch hosts a blog at www.ieeesbnitw.blogspot.com. All the event updates with photographs can be found there. Members can send official queries at sb.nitw@ieee.org for immediate response.

T. L. Prasanna (prasanna@computer.org)
Chair, IEEE Student Branch NIT Warangal

IEEE HIIT Student Branch, Karachi

Activities in Support of Research & Engineering

IEEE HIIT SB, Hamdard University Karachi, was formed in March 2001 and it was very active for participating in various events organized by IEEE Karachi Section. The major event was SCONEST (Student Conference on Engineering Sciences and Technology) 2003, organised by IEEE HIIT SB during 9 – 11 October 2003. After spending two dull years in 2005 and 2006, the SB was revitalized in 2007 to support research and engineering activities among students at Hamdard Institute of Information Technology (HIIT). It organizes seminars, workshops, tutorials and industrial tours for encouragement and training.

The Annual General Meeting held on 04 June 2007 was attended enthusiastically by all new & old members. Following are its new office bearers.

Counselor	Dr. Nazeer Ahmed
Coordinator	Dr. Iqbal Ahmed
Chair	Mr. Adeel Ahmed
Vice Chair	Mr. M. Adil Siddiqui
Secretary	Mr. Saqib Munawwar
Treasurer	Mr. Abdul Wahab Paracha

The IEEE HIIT SB is mainly focusing on development and enhancement for technical skills of students and introducing research & innovation culture at HIIT.

On 11th September 2007, SB organised the first seminar. The topic was “Economic Sustainability through Standards & Certification Culture”. Seminar Speaker was Group Captain Riasat Ali Changazi. He shared his R&D experiences in Pakistan, China and Europe for

manufacturing aircrafts. Moreover he discussed China’s 2015 Vision and Malaysia’s 2020 Vision. Around 120 students attended this seminar.

Some key points of his speech were;

- Engineering Management in an organisation plays a vital role in the productive progress of an organisation.
- ANSI, IEE/IET & IEEE standards.
- Institutions without R&D are not good institutions.
- Standards are used for quality, safety and having something very good.
- Standards – are sign of quality – Innovation – Benchmark (Productivity).



Seminar Speaker (in the middle) and SB Members

Freshmen Orientation & IEEE Introductory Seminar

On 29th October 2007 a second seminar was organised. In this seminar Secretary SB presented Introduction to IEEE HIIT SB & its activities. Second speaker Mr. M. Shahab Siddiqui (Assistant Prof. GSESIT, HU) presented “Benefits of IEEE Membership” in detail. At the end IEEE Innovation short film was played on multimedia for creating interest in students for R&D innovation. Approximately 110 students attended this seminar.

IEEE HIIT SB Members also attended seminars at other IEEE SB in Karachi.

On 01st September 2007, NED University of Eng. & Tech. organised seminar on Electrical Safety. The seminar speaker was Mr. Noorali Amarsi (SM IEEE). SB members attended seminar for developing domestic & industrial exposure about electrical safety.

UTECH 2007 held at Usman Institute of Tech. (UIT) on 10 Nov. '07. HIIT student Mr. M. Abdullah Sandhu presented his research paper on ICT (Information & Communication Technology) implementation in Agriculture. His paper was published in the conference proceedings and received author’s souvenir on remarkable innovative effort.

SB members attended First International Conference on Computer, Control & Communication for enhancing technical knowledge. The IC4 was organised by Pakistan Navy Eng. College (PNEC) in collaboration with IEEE Karachi Section from 12th – 13th November 2007.

Saqib Munawwar (saqib@ieee.org)
Secretary IEEE HIIT SB
Hamdard University (HU) Karachi

Upcoming IEEE Conferences in Region 10

<http://www.ewh.ieee.org/reg/10/conferences/Conferences-in-R10.htm>

2008 Cool Chips XI - 16 Apr - 18 Apr 2008

Conference Location: Yokohama, Japan

Sponsored By: [IEEE Computer Society](#)

Abstract Submission Deadline: 17 Jan 2008

Final Paper Submission Deadline: 21 Mar 2008

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

2008 Global Symposium On Millimeter Waves (GSMM 2008) 21 Apr - 24 Apr 2008

Conference Location: Nanjing, China

Sponsored By: [IEEE Microwave Theory and Techniques Society](#)

Abstract Submission Deadline: 20 Jan 2008

Final Paper Submission Deadline: 01 Mar 2008

<http://www.gsmm2008.org>

2008 IEEE 16th International Fuzzy Systems Conference (FUZZ- IEEE)

01 Jun - 06 Jun 2008

Conference Location: Hong Kong, China

Sponsored By: [IEEE Computational Intelligence Society](#)

Final Paper Submission Deadline: 01 Mar 2008

<http://www.wcci2008.org>

2008 IEEE Conference on Robotics, Automation and Mechatronics (RAM)

03 Jun - 06 Jun 2008

Conference Location: Chengdu, China

Sponsored By: Chengdu Section, Singapore Section, Singapore Section RA Chapter, Singapore Section SMC Chapter

Abstract Submission Deadline: 15 Jan 2008

Final Paper Submission Deadline: 01 Apr 2008

<http://www.cis-ram.org>

2008 IEEE Conference on Cybernetics and Intelligent Systems (CIS) 03 Jun - 06 Jun 2008

Conference Location: Chengdu, China

Sponsored By: Chengdu Section, Singapore Section, Singapore Section RA Chapter, Singapore Section SMC Chapter

Abstract Submission Deadline: 15 Jan 2008

Final Paper Submission Deadline: 01 Apr 2008

<http://www.cis-ram.org>

2008 IEEE International Conference on Intelligence and Security Informatics (ISI 2008)

17 Jun - 20 Jun 2008

Conference Location: Taipei, Taiwan

Sponsored By: [IEEE Intelligent Transportation Systems Society](#)

Abstract Submission Deadline: 10 Jan 2008

Final Paper Submission Deadline: 05 Mar 2008

<http://isi2008.cpu.edu.tw/>

IEEE Conference Organizers "How To" Reference Materials

http://www.ieee.org/web/conferences/organizers/reference_materials.html

2008 IEEE Conference on Soft Computing in Industrial Applications (SMCia/08) 25 Jun - 27 Jun 2008

Conference Location: Muroran, Japan

Sponsored By: [IEEE Systems, Man, and Cybernetics Society](#)

Abstract Submission Deadline: 31 Dec 2007

Final Paper Submission Deadline: 10 May 2008

<http://athena.csse.muroran-it.ac.jp/SMCia08/>

2008 IEEE International Conference On Research, Innovation, & Vision for the Future Information & Communications Technology 07 Jul - 11 Jul 2008

Conference Location: Hochiminh City, Vietnam

Sponsored By: [IEEE Communications Society](#), Vietnam Section

Abstract Submission Deadline: 25 Feb 2008

Final Paper Submission Deadline: 12 May 2008

<http://www.rivf.org>

2008 6th International Conference on Industrial Informatics (INDIN)

13 Jul - 16 Jul 2008

Conference Location: Daejeon, Korea (South)

Sponsored By: [IEEE Industrial Electronics Society](#)

Abstract Submission Deadline: 08 Mar 2008

Final Paper Submission Deadline: 04 May 2008

<http://iliad.kaist.ac.kr/indin2008/>

2008 International Conference on Radar (Radar 2008)

02 Sep - 05 Sep 2008

Conference Location: Adelaide, Australia

Sponsored By: [IEEE Aerospace and Electronic Systems Society](#), South Australia Section

Abstract Submission Deadline: 31 Jan 2008

Final Paper Submission Deadline: 16 Jun 2008

www.radar2008.com

2008 International Symposium on Electrical Insulating Materials (ISEIM)

07 Sep - 11 Sep 2008

Conference Location: Yokkaichi, Japan

Sponsored By: [IEEE Dielectrics and Electrical Insulation Society](#), Nagoya Section, Japan Council DEI Chapter

Abstract Submission Deadline: 31 Jan 2008

Final Paper Submission Deadline: 30 May 2008

<http://www2.iee.or.jp/~adei/ISEIM2008/index.html>

2008 International Topical Meeting on Microwave Photonics (MWP 2008) jointly held with the 2008 Asia-Pacific Microwave Photonic Conference

01 Oct - 03 Oct 2008

Conference Location: Gold Coast, Australia

Sponsored By: [IEEE Microwave Theory and Techniques Society](#)

Final Paper Submission Deadline: 05 May 2008

<http://www.mwp2008.org>

2008 International Conference on Advanced Technologies for Communications (ATC 2008)

06 Oct - 09 Oct 2008

Conference Location: Hanoi, Vietnam

Sponsored By: [IEEE Communications Society](#)

Abstract Submission Deadline: 31 May 2008

<http://www.atc08.org>

2008 IEEE 10th Workshop on Multimedia Signal Processing (MMS P) 08 Oct - 10 Oct 2008

Conference Location: Cairns, Queensland, Australia
Sponsored By: [IEEE Signal Processing Society](#)
Abstract Submission Deadline: 18 Apr 2008
Final Paper Submission Deadline: 18 Jul 2008
<http://www.mmisp2008.org>

2008 2nd IEEE International Power and Energy Conference (PEC on) 24 Nov - 26 Nov 2008

Conference Location: Johor Bahru, Malaysia
Sponsored By: Malaysia Section, Malaysia Section IE/IA/PEL Joint Chapter, Malaysia Section PE Chapter
Abstract Submission Deadline: 31 Mar 2008
Final Paper Submission Deadline: 01 Sep 2008
<http://www.ieee.org/go/pecon2008>

2008 5th IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS 2008)

21 Aug - 22 Aug 2008
Conference Location: Sendai, Japan
Sponsor: IEEE Vehicular Technology Society, Japan/Seoul/Taipei Chapters
Abstract Submission Deadline: 31 Mar 2008
Final Paper Submission Deadline: 30 Jun 2008
<http://www.mobile.ecei.tohoku.ac.jp/APWCS2008/index.html>

2008 Second International Conference on Electrical Engineering (ICEE) 25 Mar - 26 Mar 2008

Conference Location: Lahore, Pakistan
Sponsored By: Lahore Section
Final Paper Submission Deadline: 08 Feb 2008
<http://www.uet.edu.pk/icee2008>

2008 10th International Conference on Control Automation Robotics & Vision (ICARCV 2008)

17 Dec - 20 Dec 2008
Conference Location: Hanoi, Vietnam
Sponsored By: [IEEE Control Systems Society](#), [IEEE Systems, Man, and Cybernetics Society](#)
Abstract Submission Deadline: 01 Apr 2008
Final Paper Submission Deadline: 01 Sep 2008
<http://www.icarcv.org>

ICASSP 2009 - 2009 IEEE International Conference on Acoustics, Speech and Signal Processing

19 Apr - 24 Apr 2009
Conference Location: Taipei, Taiwan
Sponsored By: [IEEE Signal Processing Society](#)
Abstract Submission Deadline: 29 Sep 2008
<http://www.icassp2009.com>

What's Involved in Organizing an IEEE Conference

If your Section wants to organise a conference and you would like to know about the processes by which IEEE conference business is conducted, please visit:

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

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