THE IEEE REGION TEN NEWSLETTER

IEEE R10 News and Highlights

2013 R10 Distinguished Large, Medium and Small Section Awards

From 2014, Region 10 added Medium Section Award to the existing Large and Small Section Awards to recognize more excellent Sections due to rapidly increasing membership.

New categories of Sections in Region 10 are as follows:

- Large Section = 1,501 or more members (including Students) as of 31 December of the prior year;
- Medium Section = 501–1,500 members (including Students) as of 31 December of the prior year;
- Small Section = 500 or fewer members (including Students) as of 31 December of the prior year.

The Region 10 Distinguished Section Awards recipients are:

- 2013 R10 Distinguished Large Section Award : Bangalore Section
- 2013 R10 Distinguished Medium Section Award : Pune Section
- 2013 R10 Distinguished Small Section Award : Northern Australia Section

Congratulations to the Bangalore, Pune and Northern Australia Sections for being selected for these awards and the R10 Awards and Recognition Committee were impressed by the quality of the activities. The selection of these three awards was based on the activities and membership summarized in the 2013 Section Reports submitted to Region 10 and posted to R10 homepage.

Award certificate will be presented to these wining Sections at the 2015 R10 Annual Meeting

to be held early next year, and the cash prize of USD 1,000 will be sent to winning sections after the meeting.

Thanks to the Section Chairs and officers who submitted Section Reports to R10 and who participated in the award process.

Kukjin Chun, IEEE R10 Awards & Recognition Committee Chair

IEEE R10 Annual General Meeting

A total of 120 delegates from 48 sections convened at Elicium 2 at RAI Convention Center, Amsterdam. Amsterdam is considered an alpha world city by the Globalization and World Cities (GaWC) study group. The city is also the cultural capital of the Netherlands. An introduction to Amsterdam since 1600 by Radboud Molijin eased the backdrop of R10 AGM. Two addresses by WIE Chair, Nita Patel and YP Chair, Timothy Wong led the meeting with updates and happenings at their respective affinity groups. Briefing on National Society Agreements was given by Joseph V. Lillie followed by two presentations: R10 History Coordinator, Isao Shirakawa, and R10 Young Professionals Coordinator, Ko Kikuta. R10 Director Toshio Fukuda delivered his welcome address through telepresence.
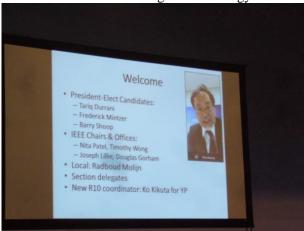

Delegates from 48 R10 Sections

Additionally, the result of a social media campaign 'I join IEEE' was announced by Gowtham Prasad. The Innovation Category Award went to Asma Sajid of Lahore Section while the Popular Category Award went to Chelliah Ramachadran of Madras Section.

Nancy Ostin presented IEEE-ETA KAPPA NU to capture the interests of student members with added prestige and visibility. T. S. Rangarajan informed the delegates that Technology

Management Council (TMC) will become Technology and Engineering Management Society (TEMS) with membership starting 2 September 2014. The TEMS mission is to "advance, enhance, and improve essential management knowledge and skills of IEEE members". This society is relevant as more technology professionals are called to function as executives besides focusing on technology.

Video-conferencing - welcome address by Prof Fukuda

Reports on TENSYMP 2014 and R10-HTC 2014 were also presented. Addresses by President-Elect Candidates 2015 comprising Tariq Durrani, Frederick Mintzer, and Barry Shoop, with Q & A raised interesting questions on their aspirations for members and career development as well as increasing IEEE value for members, professionals and the public. The AGM adjourned at 12.15 pm.

Dianne Cheong Lee Mei
Communication/Newsletter Chair
Malaysia Section

Results of 2014 R10 WIE support fund

Congratulations to the recipients of the R10 WIE support fund 2014. This year, R10 WIE received a total number of 28 proposals.

After careful consideration, R10 WIE committee has reached the final decision to select 23 proposals.

The decision is based on the quality/impact of the activities proposed, distribution of Affinity Group and type of activities.

In more detail, please refer to:
http://sites.ieee.org/r10-wie/?p=782

Congratulations to all the recipients and a big thanks to all the participants.

R10 WIE wishes for the fruitful activities your Affinity Group will organize.

The R10 IEEE Women in Engineering (WIE) takes initiatives to provide various values for IEEE members and societies in Asia pacific Region (R10) and promote achievements of women engineers/professionals.

For this purpose, we are promoting the project for encouraging forming new WIE AGs in R10 for these years. This year, WIE AGs of Kansai Section, Tainan Section, Taipei Section, Australian Capital terr Section, Uttar Pradesh Section and Macau Section have been formed.

We also supported the R10 WIE funds and sent the call for proposals for funds to WIE AGs in R10. We started the new system to directly receive proposals from Section Chairs. As a result, we received 28 proposals from 21 Sections, and selected 23 proposals.

The call for nominations for IEEE Region 10 WIE Section / Student Branch Affinity Group of the Year Award to highlight outstanding WIE AGs in R10 was sent, and 5 nominations for Section AG Award and 6 nominations for Student Branch AG Award were received. Selection results will be informed soon.

To support technological career of women engineers, we organized the WIE special session at R10 HTC that was held in Chennai, India, and are planning to organize the WIE tracks in TENCON2014 that will be held in Bangkok, Thailand in October. Regarding IEEE WIE International Leadership Conference held in San Francisco in May, R10 WIE members were invited as speakers, moderators and part of the organizer. We could have a very lively time at the conference.

Takako Hashimoto
R10 WIE Coordinator 2013-2014

Results of 2013 R10 WIE Section/Student Branch Affinity Group of the Year Awards

Dear R10 Section Chairs and WIE Affinity Group Chairs,

It is my great pleasure and honor to announce the winners of the 2013 R10 WIE Section / Student Branch Affinity Group of The Year Awards.

This year, R10 WIE received 5 nominations from Section WIE AGs, and 6 nominations from Student Branch WIE AGs.

Since all nominations were excellent, the selection was extremely difficult.

R10 WIE Committee conducted intensive deliberation according to the vision of R10 WIE, and finally decided the following two WIE Affinity Groups as winners.

- 2013 R10 WIE Section Affinity Group Award
  - o Winner: Kerala Section WIE
- 2013 R10 WIE Student Branch Affinity Group Award
  - o Winner: Netaji Subhas Institute of Technology (Delhi Section)

Award certificates will be presented to these winning Affinity Groups at the 2015 R10 Annual Meeting to be held early next year, and the cash bonus of USD 250 will be sent to each of them.

Congratulations to Kerala Section WIE, and Netaji Subhas Institute of Technology! And also we really thank all the participants, and wish continued outstanding success.

Takako Hashimoto
Coordinator, IEEE R10 Women in Engineering

IEEE ANZSCON 2014

IEEE Australia – New Zealand Student/Young Processional Congress 2014 (ANZSCON2014) followed on from the success of the ANZSCON2010 and the Region 10 Student | GOLD | WIE Congress 2011 in Auckland. The aim of the congress was to provide a platform for student & YP members to interact and share knowledge, skills and ideas and continue the tradition of having a Student/YP Congress annually. Expected to be the biggest Student/YP event of IEEE Australia and New Zealand Councils and the first ever YP Congress in Australasia, ANZSCON2014 was intended to inspire and motivate the student and YP communities to take up leadership and to make innovative contributions through IEEE to the community in the years to come.

ANZSCON2014 was hosted by the Queensland Section at the University of Queensland in Brisbane on July 3rd-5th, 2014. The congress was highly successful with over 50 delegates attending from Australia and New Zealand. The Congress received positive feedback from delegates as well as from IEEE Region 10 and the Australia Council.

Headed by Conference Chair Alexandra Price and Program Director Prachi Redey, the organising committee presented 2 and half days of engaging talks and workshops, as well as opportunities for delegates to showcase their skills through the poster competition and the 3 Minute Thesis competition. The Treasure Hunt ice breaker, a Women in Engineering networking breakfast, and the Congress dinner provided networking opportunities for delegates.

The congress hosted a range of speakers from academia and industry, who presented on a variety of topics from self-development for professionals to cutting-edge technology in power network grids; from innovation in IT to start-ups such as Cartesian Co and Tanda. The break-out sessions included topics such as encouraging entrepreneurship in women in technology and other topics as diverse as the technology behind Cochlear ear implants and how to influence top management. The delegates enjoyed the opportunity to experience a TISP (IEEE Teacher in Service Program) workshop, where they had an hour to figure out how to build a windmill with resources generally available to a classroom in Australia. All sessions were very well received by the delegates, particularly those that involved current innovation in the fields of engineering and technology.

The presence of IEEE dignitaries at ANZSCON2014 allowed discussion regarding IEEE and an exchange of ideas between volunteer delegates. Topics presented included an overview of IEEE and its structure and operation, and opportunities for volunteer empowerment in IEEE.

On behalf of the ANZSCON2014 Organising Committee and the Queensland host section, I would like to extend my gratitude to the speakers at ANZSCON2014 for making the event an informative learning experience for all delegates. Special mention is necessary for the Platinum sponsors of the event, Ergon Energy, Energex, University of Queensland and IEEE Australia Council. Without their support ANZSCON2014 would not have been possible. A special thank you also to the Queensland Section Executive Committee for their unfailing support and guidance.

Prachi Redey
Vice Chair – ANZCON

NCHC

The NCHC maintains the Taiwan Advanced Research and Education Network (TWAREN) and provides a robust high-speed networking service for academic research and application development. TWAREN serves as the platform for developing network technologies such as performance measurements, Internet Protocol version 6 (IPv6), multicast, Multiprotocol Label Switching (MPLS), Voice-over-Internet protocol (VoIP), eLearning, and multimedia. In order to facilitate the Software-Defined Network (SDN) and Network Function Virtualization (NFV) development, TWAREN provides the first SDN testbed in Taiwan since 2009. Through the SDN testbed, research institutions are able to connect to the collaborating institutions in Japan, United States, Canada, and Netherland. In addition, TWAREN also supports Cloud services, Big Data applications, and Grid-based applications, such as disaster reduction, water resources, ecology, health care, economics, and eLearning.

In terms of information security, the NCHC possesses a 24x7 security operations center (SOC). Since 2010, the NCHC developed a software project, Taiwan Malware Analysis Net (TWMAN), which is an automated platform featured by analyzing malicious software in a physical operating system. TWMAN could collect detail behavior information in an efficient and reliable means against all kinds of malwares, including those using anti-VM techniques. Based on TWMAN, in 2013, NCHC launched Taiwan's first malware knowledge base which actively searches for and captures malware. NCHC's malware knowledge base is available for use by industry, government, academia, and the research community, and has the goal of enhancing domestic information security and TWAREN's defensive capabilities.

For more information, please refer to http://www.nchc.narlabs.org.tw/en/.

Benefits for the Global IEEE Members

We are excited to announce a new range of family and lifestyles benefits for the global IEEE members when you are visiting Singapore!

We have tie-up with the Furama Riverfront Hotel and Park Avenue Rochester Hotel in Singapore where IEEE members can enjoy corporate hotel rates, and also discounted meeting packages for IEEE conference organisers.

Furama River Front Hotel
Conveniently located between vibrant Chinatown and the premier shopping district, Orchard Road, enjoy a comfortable stay complemented by gracious service, the finest eateries or step out for some fun under the sun with the myriad of recreational facilities. Please visit the hotel website at: http://www.furama.com/riverfront/

Special Offers to IEEE members only:
- For room only: Deluxe room rate starts from S$ 180++ per room per night
- Deluxe Room Rate starts from S$ 200++ per room per night
  - Complimentary buffet breakfast
  - Complimentary internet access

Park Avenue Rochester Hotel
This hotel showcases contemporary 271 business hotel rooms and serviced suites targeting at discerning expatriates working in the business hub of one-north. Please visit the hotel website at: http://www.parkavenuerochester.com/

Special Offers to IEEE members only:
- Superior Room Rate starts from S$ 215++ per room per night
- Complimentary internet access

Please visit our Region 10 website at: http://www.ieeer10.org/2014/07/11/special-hotel-corporate-rates-in-singapore-for-ieee-members-only/ for more details on the terms and conditions and to make your reservation.

We hope you enjoy this new range of benefits offered to your IEEE membership.

Dr. Michael Ong
R10 Individual Benefits & Services Coordinator

IEEE R10 Councils/Sections News and Highlights

IEEE Gujarat section: ERTE 2014

ERTE 2014 was organized to introduce, discuss emerging and challenging research issues in the domain of electrical, electronics and communication, computer science and engineering, and information technology. It was also aimed to promote research culture among faculty and student members of the engineering colleges and institutes. The event targeted post graduate students, PhD scholars and faculty members who are searching for research problems. ERTE 2014 received financial grants from Council of Scientific and Industrial Research (CSIR) India, IEEE Region 10, AU and IEEE Gujarat section.

The numbers of participants are as follows: 37 Faculty, 26 Students, and 1 Professional. The participants were from many institutes spanning various states across India. Some of the representative names are SAMEER, IIT Bombay, College of Engineering, Pune, KLS Gogte Institute of Technology, Belgaum, Sunderdeep Engineering College, Faridabad, UP, Nirma University, Ahmedabad, DAIICT, Gandhinagar, DD University, Nadiad, Government Engineering colleges at Gandhinagar, Patan, SCET, Surat etc.

The event was inaugurated by Professor Akshai Aggarwal, Vice Chancellor, Gujarat Technological University on 19th July 2014. Professor Aggarwal stressed importance of weaving research and teaching holistically for the quality improvement of technical education. Eleven talks spanning seven sessions were delivered across the two days. The technical sessions covered keys areas of computer science, communication, VLSI and embedded systems, machine learning, pattern recognition, image processing while two talks covered important aspects of authentic digital sources and research proposal writing.

On the first day, five specialized talks were delivered in three sessions. Keynote speaker Professor Harrick Vin, Vice President and Chief

Scientist, TRDDC, TCS, Pune, discussed evolution in the society, technology due to the digital age and its impact on the industries. In the second talk of the day, Er. Nilesh Ranpura, ASIC delivery manager from Einfochips, Ahmedabad, presented the industry perspective in the VLSI advancement and prospective research areas as seen by the VLSI industry. In the post lunch session Dr. Anil Roy and Dr. Bharat Gupta, Associate Professor, BITS, Mesra, presented Trends in Engineering Research - Focus on Wireless and Mobile Communications and they discussed key future communication technologies.

Search for the authentic research material is utmost important for any researchers. Dr. T. S. Kumar, Librarian, IIT Gandhinagar presented "Using Scholarly Digital Information Resources for Research". It was an exhaustive presentation on possible resources used by the researchers across the globe and India. In the last talk of the day Professor Sanjay Chaudhary, Professor and Head Research at IET delivered a talk on finer points of writing a good research proposal. It discussed in details the ingredients of penning a strong research proposal. On day one, sessions were chaired by Professor Chetan Parikh, Professor Ashok Ranade, both from IET - AU and Professor Nagendra Gajjar, Professor, Nirma University.

Day 2: 20th July 2014 was also action packed with six talks lined up during the day. Dr. Rushi Bhatt, Machine Learning Scientist, Amazon, Bengaluru, presented applications of machine learning to Big Data. It discussed in details algorithms to tackle big data challenges and large scale data processing infrastructure. Professor D Manjunath, Professor Electrical Engineering, IIT Bombay, raised important questions about the internet neutrality. It presented new challenges to net neutrality due to social, technological and economic aspects.

In session V Professor Atul Negi, CSE department, University of Hyderabad, presented Document Image Processing and Optical Character Recognition Systems for Indic Scripts. He also presented the zoning techniques for Gujarati script.

Dr. Anirban DasGupta, Associate Professor at IIT Gandhinagar presented ideas in the buzzing domain of crowd sourcing. He explained many different models of crowd sourcing and use of Machine learning in crowd sourcing applications. Talk also looked at complex task models and open questions in crowd sourcing.

In the last session of the day Dr. D. S. Rawal, Scientist, Solid State Physics Laboratory, New Delhi, presented Wide bandgap semiconductor devices and technology for high speed applications. It delved in details about the FET/ HEMT high speed operations and its impact on material technology. Talk also covered the fabrication technology and processes. The last talk of the ERTE was delivered by Professor M V Joshi, Professor, DAIICT, Gandhinagar on Digital Preservation of Heritage Sites. It covered an interesting research domain of image imprinting and self-learning super resolution. The talk covered the automatic imprinting in videos based on homography.

On day two, sessions were chaired by Dr. Mehul S Raval, IET-AU, Dr. Suman Mitra, Professor, DAIICT and Dr. Rajesh Thakker, Professor VGEC, Chandkheda.

The workshop ended with certificate distribution to the participants and vote of thanks. The event was well supported by the student volunteer derived from 3rd semester BTech and PhD program of IET, AU and DAIICT.

Mehul S Raval
Vice Chair,
IEEE Gujarat section

IEEE Karachi Section: Officials Trip to Dubai IEEE Teacher-in-Service Program Workshop

Considering the organizing role of IEEE TISP Program in high school student career and the intentions of IEEE Karachi Section to take over such activities, it was obligatory to know more insights on the particular program itself.

The IEEE TISP Workshop that was held at Dubai, UAE on 13th- 14th June 2014 was scoped to increase engineers' participation by raising awareness within D-I-Y project domains into them to nurture the high school young fellow's inspiration towards engineering and positive community change.

IEEE Karachi Section five (5) delegates participated in the workshop which involved Chair- Parkash Lohana | Vice Chair- Dr. Shahab Siddiqui | Treasurer – Sarang Shaikh | SAC Chair- Hassan Idrees and an Educator Mr. Abdul Rauf.

Sarang Shaikh- Treasurer | Dr Shahab Siddiqui – Vice Chair | Hassan Idrees- SAC Chair | Engr. Parkash Lohana- Chair and Abdul Rauf- Educator and IEEE Karachi Section members having TISP Activity

This 2-day workshop was attended by over 100+ engineers and some of the educationists from all over the Middle East- North Africa and Pakistan. The event was planned to allocate slots into four different kinds of activities. At first, IEEE Pre-Education Officials briefed about "Why IEEE is interested in pre-engineering students" – what is TISP all about- What was of interest is one of IEEE Karachi Section's past active-volunteer Mr. Sohaib Qamar have become IEEE Region-8 Pre-engineering Official.

On second day- the second program unit started when all the Chair's and delegation leaders shared the stage along with Past- IEEE UAE Section Chair and Current- IEEE UAE Section Chair to segment their experience, their IEEE Stories and Section status overview.

Engr. Parkash Lohana - IEEE Karachi Section Chair on the note gave some useful insights on IEEE Karachi Section movements along with that he also thanked on behalf of his delegation team to IEEE UAE Section and organizing committee for giving a chance to join in at such platform.

Moreover, in third and by fair means the only active one was evolved with super D-I-Y activities, where each member was allotted with a separate non-Pakistani member to join in as team member and carry out with projects such as: Handmade Robotic Arm and Hand Made Windmill.

The last phase of workshop had its own unique motives to be special, where every educationist was given a chance to question, share, discuss or give any suggestion to the forum. The discussion continued long and everybody presented his/her philosophies and strategies to work cooperatively, further more every participant gave their consent to be a working partner in future initiatives of IEEE TISP in his/her section.

Mr. Abdul Rauf – Founder and CEO of Pakistan Science Club and nominated educationist from Pakistan also went up on stage and shared his words of wisdom to the whole forum and participants.

With that due in mind, IEEE Karachi Section has plans now to move its reach on pre-engineering students also in coming days.

M. Hanan Daudpota
Section Student Representative (SSR),
IEEE Karachi Section

There were 15 participants from Pakistan including Engr. Parkash Lohana- Chair (IEEE Karachi Section) his team and including IEEE Lahore Section Chair- Dr. Amjad Hussain and his team

IEEE Day: 7 October 2014

Leveraging Technology for a Better Tomorrow
Join us in celebrating the 5th anniversary of IEEE Day, a day commemorating the first time IEEE members gathered to share their technical ideas in 1884.
Engage your members with IEEE Day participation:

- Plan and submit an event
- Publish your event
- Have your event pinned to the global map on the IEEE Day website
- Partner with your IEEE Day Ambassador(s)
- Participate in the photo contest
- Post event video on the IEEE Day YouTube channel

For more details, visit www.ieee.org

IEEE Day Membership Promotion:
NEW members get US$ 30 off their first year of IEEE Membership. Applicable to higher-grade members that join between 5 October and 11 October (not applicable to student membership)
Use Promotion code: **IEEEDAY14**

Fanny Su & Well Tan
IEEE Asia-Pacific Limited

IEEE Madras Section:
R10 funded Technical Seminar on "Embedded Systems and VLSI Design"

The Students Activities Committee and Education Activities Committee of IEEE Madras Section organized a Technical Seminar on "Embedded Systems and VLSI Design" on July 18th 2014. This technical seminar is funded by IEEE Region 10 and sponsored by IEEE Madras Section and IEEE MAS Young Professional Programme (Formerly GOLD). The seminar was well attended by the undergraduate and post graduate students from the engineering background across the state. Totally 61 participants have attended the programme, which includes 39 IEEE members and 22 non IEEE members. The event coordinators were Dr. N. Kumarappan, Secretary and Prof. S. Elangovan, Chair, SAC, IEEE Madras Section.

Prof. S. Elangovan, Chairman, IEEE MAS SAC, and Vice chair, IEEE young professionals, Madras Section, delivered welcome address to the participants. Dr. N. Kumarappan, Secretary, IEEE Madras Section and Chair, IEEE MAS Education activities committee, delivered the Inaugural address. In his address, he mentioned about the activities conducted by the education activities committee and opportunities available for the young engineers.

Dr. V. Kamakoti, Professor, Department of Computer Science and Engineering, Indian Institute of Technology (IIT) Madras handled the first session on "Designing and Implementation of Real time Embedded Systems". He explained a case study about 'designing and implementing of real time embedded system' designed by his team at Southern Railways. The participants were really interested to gather all the information provided by him.

The second session was handled by Dr. J. Raja Paul Perinbam, Former Professor, Department of Electronics and communication, Anna University, Chennai on "VLSI Design and its features". He discussed about the advancements of VLSI design and the future opportunities in VLSI area.
The programme was well organized and the participants had interaction with the resource

persons during the lunch and tea break. Prof. M. Venkateshkumar, Secretary, IEEE Young professionals, Madras Section, delivered the vote of thanks. The certificates were issued to the participants by Dr. A. .Darwin Jose Raju, Chair, IEEE Young Professional Programme, Madras Section.

Dr.Kamakoti's inspiring seminar

Inaugural function of Technical seminar

Prof. S. Elangovan
Chair, Student Activities Committee,
Vice Chair, IEEE Young Professional (formerly GOLD), IEEE Madras Section

Views expressed in articles published in this newsletter are those of author(s) and do not necessarily represent the views or official position of IEEE R10.

IEEE Malaysia Section:
IEEE Signal Processing Society Malaysia Chapter IPIARTI 2014 and SASSP 2014 Symposiums

IEEE Signal Processing Society Malaysia Chapter (IEEE SPS Malaysia), in collaboration with the School of Computer and Communication Engineering (SCCE) and the School of Mechatronic Engineering (SME), University Malaysia Perlis (UniMAP), has successfully organized the 2014 IEEE 5th Symposium on Image Processing, Image Analysis and Real Time Imaging (IPIARTI 2014) and the 2nd Symposium on Acoustics, Speech and Signal Processing (SASSP 2014), on 30th April 2014 at UniMAP's Pauh Putra main campus in Perlis, Malaysia.

These FREE annual events were open to all IEEE members and non-members, and organized to bring the university and industry community together to share and discuss the latest trends in image and signal processing, analysis and real-time implementations, and to promote IEEE SPS as well as the IEEE Malaysia Section to the academic and industry community as a forum for professional networking and advancement.

The Symposiums were inaugurated by Prof. Dr. Ali Yeon bin Md Shakaff, the Chair of the Board of Professors (UniMAP). This was followed by a warm welcome message by the IPIARTI and SASSP 2014 general chair, Prof. Dr. Sabira Khatun, who addressed the importance of such national Symposia as it would benefit the members present, the industry, academics and researchers as a whole. On behalf of the IEEE SPS Malaysia, IEEE Malaysia Section and UniMAP, she also congratulated the authors and presenters, and thanked the organizers and supporters (UniMAP, Dreamwave Sdn Bhd, and Comrel Tech) for their financial support. The event then proceeded with the IEEE Membership Development Talk given by Assoc. Prof. Dr. Syed

Abd Rahman Al-Attas, Chair of IEEE SPS Malaysia, where he motivated the audience (academia, researchers, postgraduate students, industry participants) by highlighting the advantages of the IEEE membership and thanked the sponsors.

The event was then graced by the very informative talks by the three highly reputed invited keynote speakers from local and international academic institutions. The first keynote speaker was Assoc. Prof. Dr. Ng Yin Kwee (Eddie) from Nanyang Technological University (NTU), Singapore, who shared his research on the "Application of Texture Features for Analysis of Myocardial Infarction Using Ultrasound Images: A Review". He presented on Myocardial Infarction (MI) or heart attack, which is the most common type of coronary heart disease (CHD) along with its early detection possibility and suggested that texture analysis methods could be used as an important MI detection (discriminative) technique in echocardiography (ECG) imaging to improve survival rates.

The second speaker, Prof. Dr. Sazali bin Yaacob from UniMAP, Malaysia, delivered a keynote on "Acoustic Signal Analysis and Applications" by sharing his research on the past, present and future directions in this field. The third speaker was Prof. Dr. Mandava Rajeswari from Universiti Sains Malaysia (USM), who delivered an interesting keynote on "Medical Imaging Research: Some Directions", where she showed some of the emerging research challenges in medical imaging and then moved on to introduce the relatively new research area of Neuroimage analysis focusing on white matter fiber tracking. The keynote talks benefitted all present, including both young and veteran researchers as a whole, by providing food for thought in new innovative directions.

Keynote Speakers (left to right): Dr. Eddie Ng, Prof. Dr. Sazali Yaacob and Prof. Dr. Mandava Rajeswari

The last activity in the morning session was the IEEE Senior Member Elevation talk delivered by Prof. Dr. Sabira Khatun as a representative of the Executive Committee of both IEEE SPS Malaysia and IEEE ComSoc/VT Malaysia chapters. This was followed by the membership and elevation drive during the lunch hour.

The afternoon session consisted of the parallel sessions for both IPIARTI 2014 and SASSP 2014, where the oral presentation of 30 papers (selected after at least two blind reviews) were carried out in three tracks: Image Processing, Signal Processing, and Acoustics and Speech Processing. As a whole, there were 125 participants including the presenters, general participants, keynote speakers, the IEEE SPS Malaysia executive committee members, industry participants, UniMAP staff, Committee members, students and volunteers.

The symposium closing ceremony saw closing remarks and certificate presentations to the presenters by Prof. Dr. R. Badlishah, one of the general chairs, and Deans of SCCE and SME. The event dispersed at about 6.30 pm. A symposium dinner attended by the distinguished guests, keynote speakers, Executive Committee members of the IEEE SPS Malaysia and organizing committee members was held that night at a nearby hotel.

The main highlight of this joint event, in addition to the very informative keynote talks and presentations, as well as networking, was there was a booth with for the membership and senior elevation drives that allowed for immediate sign-ups. As a result, 24 new IEEE members (including student members) and 5 senior member applications were initiated successfully.

With efforts from IEEE SPS Malaysia, UniMAP and the delegates, the symposia was a great success and meet its targeted objectives.

Sabira Khatun
General Chair,
IPIARTI / SASSP 2014
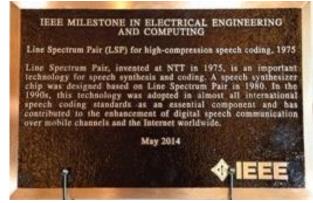*IEEE Signal Processing Malaysia Chapter*

Group photo at the end of the inaugural ceremony

IEEE Tokyo Section:
The IEEE Milestone in Electrical Engineering and Computing

The Dedication Ceremony of IEEE Milestone for Line Spectrum Pair (LSP) for high-compression speech coding was held on May 22nd, 2014, at Palace Hotel Tokyo, Japan. It was approved as an IEEE Milestone on January 21st, 2014. Dr. Toshitaka Tsuda, the chair of IEEE Tokyo Section, hosted the dedication ceremony for the plaque of IEEE Milestone in Electrical Engineering and Computing. Invited guests included Prof. J. Roberto de Marca, IEEE President & CEO, Tokyo Section Executive Committee members, and executives of national academic institutes and societies.

Dr. Toshitaka Tsuda addressed the gathering. Prof. J. Roberto de Marca presented commemorative plaque to Mr. Hiroo Unoura, President & CEO, Nippon Telegraph and Telephone Corporation (NTT). IEEE Milestone in Electrical Engineering and Computing is a program of the IEEE History Committee administrated through the IEEE History Center to honor significant achievements in electrical, electronic, and computer engineering and the associated sciences. Milestones recognize the technological innovation and excellence for the benefit of humanity found in unique products, services, seminal papers and patents. IEEE established the Milestones Program in 1983 in conjunction with 1984 Centennial Celebration to recognize the achievements of the Century of Giants who formed the profession and technologies represented by IEEE. More than one hundred Milestones have been approved and dedicated around the world. Each milestone recognizes a significant achievement having occurred more than twenty-five years ago in an area of technology represented in IEEE and having at least regional impact.

The Line Spectrum Pair (LSP) for high-compression speech coding is the 20th Japanese milestone. After the Dedication Ceremony and the celebration lunch party, the lecture session entitled "Commemoration of IEEE Milestone Award" was held at Palace Hotel Tokyo, Japan with 100 participants.

Citation

To start, Prof. Isao Shirakawa, IEEE Japan Council History Committee Chair, gave an introductory talk on IEEE Milestone. Second lecture entitled "The status of usage of Line Spectrum Pair (LSP) for speech compression" was presented by Dr. Takehiro Moriya. The last lecture entitled "How Line Spectrum Pair (LSP) was devised" was presented by Dr. Fumitada Itakura.

Prof. J. Roberto de Marca, IEEE President & CEO, Tokyo Section Executive Committee members and Hiroo Unoura, President & CEO, Nippon Telegraph and Telephone Corporation (NTT) at IEEE Milestone Dedication Ceremony

Dr. Haruko Kawahigashi
Chair, IEEE Tokyo Section Publications Committee

IEEE Young Professionals Pakistan: Webinar Series

IEEE Young Professionals Pakistan along with IEEE Young Professionals Karachi Affinity Group have initiated an idea of holding series of Online Session in which the graduate students and young professionals will get the opportunity to listen and interact with one of the best Professionals across the globe from recognize organizations.

The purpose of the session would be to share their experiences with young and energetic graduates who wish to pursue such careers in future. The session would enable to get insight know-how about that profession and that particular career path. The webinar would be followed by a Q/A session.

First session of the series is being organized along with IEEE YP Karachi which was given by Ravendar Bhojwani who is currently working in Amazon.com, Inc. and past Global Student Representative at IEEE Computer Society.

The first session was conducted on Saturday, July 12, 2014 at 1:00 pm (PST) of duration of 60 minutes. Participants were required to register themselves to access the webinar. According to the statistics, about 180+ people registered themselves in which 40% participants were IEEE Members and 60% were Non-IEEE Members, and around 150+ attended the on-line webinar.

The purpose of the first session was to share their experiences with young and energetic graduates who wish to pursue such careers in future. The session enabled to get insight know-how about that profession and that particular career path. The webinar was followed by a Q/A session.

It was indeed are very fruitful and informative sessions for all.

Recorded session link is available for those who missed it: http://vimeo.com/channels/782454

Muhammad Rabeet Sagri
Chairperson, IEEE Young Professionals AG, Karachi.

Did you vote?

The annual election ballots have been mailed to all eligible voting members via first-class postal mail. Members may access and return their ballot electronically or return their ballot by using the postage-paid reply envelope included in their ballot package.

Please visit IEEE Annual Election Candidates at http://www.ieee.org/about/corporate/election/candidates.html   and submit your ballot soon!

For more details, please visit: www.ieee.org/elections

Balloting ends at 12 noon, Central Time USA (17:00 UTC) on *1 October 2014.*

Fanny Su & Ewell Tan
IEEE Asia-Pacific Limited

IEEE R10 Madras Chapter: Workshop on "Neural Network, Fuzzy Logic and its Applications"

The IEEE Computational Intelligence Society – Madras Chapter in association with IEEE Student Branch, Dr. M. G. R. Educational and Research Institute, Chennai organized a workshop on the topic "Neural Network, Fuzzy Logic and its Applications" on 1st and 2nd August 2014. This workshop was organized for the benefit of all the students in the field of engineering and technology. The programme was attended by 86 participants which involves students of various Colleges and Universities from all over Tamilnadu. The co-ordinators of the program were Dr. N. Kumarappan, Professor of Electrical Engineering, Annamalai University and Chair, IEEE CIS Madras Chapter, Chennai, Mrs. E. Sheeba Percis, IEEE-MGR Student Branch Councilor, Department of EEE, Dr. M. G. R Educational and Research Institute, Chennai and Mrs. A. Nalini, Department of EEE, Dr. M. G. R. Educational and Research Institute, Chennai.

The Programme was started with an inaugural function. Dr. V. Cyril Raj, Additional Dean, E. and T., Dr. M. G. R Educational and Research Institute, Chennai has presided over the function. Dr. N. Kumarappan, Chair, IEEE CIS Madras Chapter, IEEE Madras Section, Chennai has delivered the inaugural address. Mrs E.Sheeba Percis, IEEE-MGR Student Branch Councilor, Department of EEE, Dr. M. G. R Educational and Research Institute, Chennai has delivered the welcome address.

The Resource Persons for the program were Dr. N. Kumarappan, Professor of Electrical Engineering, Annamalai University, Annamalai nagar; Mr. M. Venkateshkumar, Assistant Professor, Department of EEE, Saveetha University, Chennai and Mr. R. Arulraj, Research Scholar, Department of Electrical Engineering, Annamalai University, Annamalai Nagar. The topics covered included Introduction to Artificial Neural Networks, Artificial Neural Network, Fuzzy Logic, Hybrid

Techniques, Simulation of Fuzzy Logic Controller and Hands-on training sessions for all the above topics.

The program ended with a valedictory function. The program received an excellent feedback from all the participants. The workshop provided an excellent opportunity for students to listen to the experts and improve their skills.

Group photo of the workshop

Dr. N. Kumarappan
Chair, IEEE CIS Madras Chapter

IEEE EDS Malaysia Chapter: 2014 Final Year Project (FYP) Award in Micro and Nanoelectronics

For the past 4 years, the IEEE EDS Malaysia has been awarding the best Final Year Project (FYP) Award to micro and nanoelectronics engineering undergraduate students in local and private universities in Malaysia. Winners will receive a certificate and RM100 monetary award. So far, 3 undergraduate students have received their awards with details as follows.

Universiti Kebangsaan Malaysia (UKM) or the National University of Malaysia held the annual Final Year Project Poster Presentation on the 21st of May 2014 at the Faculty of Engineering and Built Environment, UKM. The poster presentation evaluation was to determine the best project awards of the year where students were divided into 3 separate focus groups based on their degree courses i.e. Microelectronics, Computer and

Communications and Electrical Engineering. The panel of judges consisted of 4 industrial experts, and 4 external academicians. Each student was given 10 minutes to showcase and present their poster/project to the judges, and answer any questions from them. The evaluation criteria includes poster design and layout (aesthetics), poster technical content, delivery of presentation (oral), results, and impact of the project work. For the Microelectronics degree program, there were a total of 15 posters presented. The "Best Project Award" was awarded to Khairul Akif Bin Mohd. Azmi with the project entitled "*Fabrication and Characterization of Transparent Conductors based on Carbon Nanotube for Display Application*". He was supervised by Dr. Iskandar Yahya who is also an Associate Fellow with the Institute of Microengineering and Nanoelectronics (IMEN), UKM.

Khairul Akif presenting his FYP Poster to the judges at UKM.

The Faculty of Electrical Engineering, Universiti Teknologi Malaysia (UTM) successfully organized the Electronics and Computer Engineering Exposition (ECEX 2014) on May 19, 2014 at UTM which showcased the work of final year undergraduate students from the fields of signal processing, VLSI and microelectronics, embedded and FPGA design, and biomedical electronics. In addition, various events such as job interviews as well as career and technical talks were also available. The evaluation panel consisted of representatives from industry and lecturers from the ECE Department. The IEEE EDS Malaysia FYP Award in Microelectronics was bagged by Ms. Nor Farhana Ramli with her project entitled "*Fabrication of Porous Silicon for pH-based Biosensor*" where she was supervised by Dr Shaharin Fadzli bin Abd Rahman

The FYP IEEE EDS Malaysia Award being presented to Ms. Nor Farhana Ramli (UTM)

On the 19th of June 2014, the Department of Electrical & Computer Engineering (ECE), International Islamic University Malaysia (IIUM) held the poster presentation for their final year undergraduate students at the department itself. For the past few years, besides evaluation during students' Final Year Project classes, the students' were also evaluated for the best poster and project. This semester, for the first time, the IEEE EDS Malaysia Chapter awarded the best FYP in micro/nanoelectronics to Mr. Abdul Azim b. Rashid for his project entitled "Investigation on the Effects of Radiations on Gas Solar Cell for Satellite Application" under the supervision of Dr. Nurul Fadzlin bt Hasbullah.

Mr. Azam receiving his FYP IEEE EDS Malaysia Award (IIUM)

Dr. P. Susthitha Menon
Secretary, IEEE Electron Devices Malaysia Chapter

IEEE PES Malaysia Chapter: Innovative Smart Grid Technologies (ISGT Asia 2014)

Held on 20th – 23rd May 2014 in Kuala Lumpur, the 2014 IEEE ISGT Asia Conference organised by IEEE Power and Energy Society (PES) Malaysia Chapter was a very successful event. Over 201 delegates attended and participated in the four day Conference, which brought together researchers, academics, policy, engineers and industries from around the world shared and exchanged new ideas, learned from each other, discussed and debated on issues related to Smart Grid Implementation and its related matters.

The sponsors of this conference are the Tenaga Nasional (TNB), MALAKOFF, TAMCO and Transresein Sdn Bhd and supported by Ministry of Tourism Malaysia, Malaysia Convention & Exhibition Bureau, Sustainable Energy Development Authority (SEDA), Malaysia, CIRED and several local universities such as Universiti Teknologi Malaysia, Universiti of Malaya, Universiti Putra Malaysia and Universiti Tenaga Nasional.

The conference started by a grand joint opening ceremony with Electricity Distribution Conference (organised by CIRED, Malaysia) which officiated by Deputy Minister of Energy, Green Technology and Water of Malaysia followed by two tutorials. Tutorial 1 entitled *Modeling of Solar Energy Using AI technique* by Prof Dr. Wilfried Elmenreich, Professor of Smart Grids from Alpen-Adria-Universität Klagenfurt, Austria and was attended by 92 participants. Meanwhile, tutorial 2 was conducted by Prof Dr. Saifur Rahman, Director of the Advanced Research Institute Virginia Tech. USA with title *Integration of Demand Response with Renewable Energy for Efficient Power System Operation.* This tutorial was attended by 101 participants.

This conference received 256 papers from 34 countries. Out of these papers only 157 (61%) were accepted and 138 papers were presented in 29 technical sessions with several tracks including Electricity Market in Smart Grid, Power Electronics and Its Applications, Renewable Power Generation and its Efficient Utilization, Smart Distribution System, Smart Energy Utilization, Smart Grid Information and Communication Technologies, Smart Grid Operation, Control and Protection, Power Quality and Electromagnetic Compatibility. From total 201 delegates attended this conference, there were 60 non-author participated in this conference.

Besides the paper presentations, there were three keynote speakers: *Importance of Reversible Hydro for Smart Grid* by Mr. K. V. Rupchand, *Sustainable Energy Generation: Is this Practical in the Short Term* by Prof Dr. Saifur Rahman and *AI techniques for Smart Grids* by Professor Wilfried Elmenrich .

There were also two plenary sessions with the themes *Smart Grid Implementation: "Issues and Challenges"* and *Smart Grid Enablers*. For plenary session 1, the speakers were Ir. Halim Osman (CIRED Malaysia) with a talk titled *Smart Grid Implementation: Issues and Challenges for Malaysia*, Dr. Mohd Fadzil Siam (TNB Research) with *Smart Grid Implementation – Opportunities and Challenges* and Ir. Loo Kok Seng (TNB) with *Smart Grid in Malaysia: Current Perspective and Challenges*. This session was chaired by Mr. Lalit Goel. Meanwhile, for the second plenary session, the speakers were Meliha B. Selak, (Power System Consultant, Canada) with a talk titled *"Smart Grid " – Where We Are Today?*, Professor R. Al-Ali (American University of Sharjah, UAE) with *Cloud Computing Paradigm as Smart Grid Enabling Technology* and Ir. Dr. Ali Askar Sher Mohamad (Sustainable Energy Development Authority, SEDA Malaysia) with *Smart Grid is an evolution, not revolution*. The second plenary session was chaired by Professor Azah Mohammad.

The Conference Banquet Dinner held on 21 May at the Berjaya Times Square Hotel was also a great success, providing a further opportunity for delegates to mingle in a relaxed atmosphere with great food and quality entertainment. The Best Student Paper Award winners were recognized at the conference banquet. There were eight recipients representing eight tracks in the technical sessions. The students who received this award are Priit Uuemaa for his paper *Industrial CHP Optimal Management in the Energy Market Under Incomplete Information*, Aliyu Sabo for his paper *A Modified Digital Hysteresis and Artificial*

Neural Network (ANN) Algorithms in Single Phase Shunt Active Power Filter Control, Papan Dey for his paper *Synchronous Reference Frame Based Control Technique for Shunt Hybrid Active Power Filter Under Non-ideal Voltage*, Xinze Xi for his paper *Small Signal Stability of Weak Power System Integrated with Inertia Tuned Large Scale Wind Farm*, Liang Zhao for his paper *Topology Identification in Smart Grid with Limited Measurements Via Convex Optimization*, Ramprakash Kathiresan for his paper *An Interactive LED Lighting Interface for High Energy Savings*, Siti Salhaillea Sinan for her paper *Investigation on the AC Breakdown Voltage of RBDPO Olein* and Salah Eldeen Gasim Mohamed Hassan for his paper *Power System Security Enhancement and Loss Reduction Using the SMART Power Flow Controller*.

A special thanks is extended to the organising committee of the Conference as well as Session Chairs, authors, presenters, paper reviewers, all the conference sponsors and supporters.

Zuhaina Zakaria
General Chair ISGT Asia 2014
Vice Chair, IEEE PES Malaysia Chapter
Jasronita Jasni
Secretary, IEEE PES Malaysia Chapter

IEEE SB, DAIICT: Summer School'14

'Summer School' is a technological initiative by IEEE Student Branch, DAIICT. It is a 10 day program held annually and provides a forum for students where students learn and explore their technical capabilities and hone their skills. Participating students are assisted in their endeavour by speakers and professors who act as mentors for the students. Participants are encouraged to think, innovate and create their own projects using a set of technologies available.

The Summer School 2014 was organised at Gandhinagar from June 5 to June 14 2014. The primary focus in this course was on Game Development using "Unity 3D" and "Microsoft Kinect".

Unity 3D is a game creation system developed by Unity Technologies and is used to develop video games, web sites, desktop platforms(like Ubuntu) and mobile devices(like Blackberry 10).

Kinect is a line of motion sensing input devices developed by Microsoft which is based on a webcam-style add-on peripheral.

In the initial phase of the program, participants were introduced to the two technologies used and were given inputs on many related topics and various modalities were discussed so that students get familiar with the technologies to be used. During the lectures, participants were introduced to 3D game development using Unity, using physics for games, animation using Unity, body tracking using Kinect, integrating Kinect with Unity and brainstorming techniques to generate ideas for game development.

After the initial phase of teaching, the participants were left free and encouraged to work on their own projects and come up with a game at the end of the program. The mentors played key role of supporting and encouraging the students to think out of the box and to be creative.

This year's summer school had three mentors who guided and encouraged the participants in their technical pursuits. A brief about their background is as under Saumik Trivedi. Saumik is an alumnus of DA-IICT. He is a partner at Play Lab (www.playlab.in), a start-up focused on building tools for creative learning. Sajith Gopinath: Sajith is a faculty at Toy and Game Design, NID PG campus, Gandhinagar. Priyanka Borar: Priyanka holds a PG Diploma in New Media Design from NID, and an Msc (Tech.) Degree in Information Systems from BITS Pilani.

Chaitanya Prasad,
Undergraduate Student
IEEE Student Branch DA-IICT

Udit Sheth,
Chairperson at IEEE Student Branch DA-IICT.

IEEE SB, DT:
TECHWEEK: A Weeklong Contingency to Procure Technical Doctrine

IEEE DTU has always been a flag bearer when it comes to impart and share knowledge of diverse technical spheres with the budding engineers. When a student enters the premise of a technological university such as Delhi Technological University, DTU, he/she nurtures an inherent desire of gaining expertise in varied technical arenas and hence grab a prestigious position in any big industry or move ahead in pursuit of higher education. But this journey of acquiring technical education can be very arduous without proper mentorship.

IEEE DTU sets its motto as being a suitable mentor for all such novices and transform them into masters of their field of choice. With such a goal, IEEE DTU in the very beginning of the academic year organized TECHWEEK, a weeklong event of technical workshops and symposiums. It introduces the newly joint students of the university to varied technical areas like Programming, Web Development, MATLAB, SOLIDWORKS, Robotics and Embedded Systems, Animation, Graphic Designing etc. This year TECHWEEK was held on 21st August to 27th August.

The event marked its commencement with an inaugural ceremony which witnessed esteemed presence of dignitaries like Dr. S. Indu, Branch Counselor IEEE DTU, Dr. Rachana Garg, Treasurer IEEE Delhi Section and Dr. S.K. Garg ProVice Chancellor DTU. The chief guest of the event was Dr. S. S. Jain, Dy. General Manager, Corporate Office, MTNL. On this austere occasion IEEE DTU released its annual technical journal, IOTA. Henceforth, started a weeklong extravagant process of knowledge procurement.

The first day saw two workshops, one on MATLAB and other on Graphic Designing. The second day was set aside for two huge attractions that are Programming and Robotics. Both of them witnessed participation beyond the boundaries of DTU. SOLIDWORKS and Web Development workshops were organized on the third day. 3DS Max animation which have been a part of IEEE DTU legacy since a very long time is yet another opportunity for people with creativity. And hence the fourth day was dedicated for animation workshop. Finally the week concluded with Software Development workshop and an electrical based quiz called WATTACK. Both the events saw extensive participation and hence were quite successful.

Overall TECHWEEK'14 was a grand success and it proudly achieved its set motto of imparting technical knowledge with the juniors and hence built a strong senior-junior relationship.

Shayak Chaudhuri,
Third Year, Electrical Engineering, DTU
IEEE DTU Student Branch

IEEE SB, HIIT:
HIIT Student Branch Session 2014

IEEE HIIT Student Branch organized Inaugural Ceremony of IEEE HIIT Student Branch Session 2014 for the formal transition of new organizing committee from the previous year. The ceremony is arranged to do the honours and branch members interaction. The welcome speech is delivered by new Chairman Waleed Bin Sohail IEEE HIIT Student branch. He welcome all new IEEE members in HIIT Student branch. Then Sohail Sarang Ex- Chairman shares a glance at the branch activities – 2013.

The guest of honor was Dean HIIT DR. Vali Uddin who shares his experience in IEEE and Congrats to new Chairman & his team. Other significant attendees included Director HIIT. Dr. Ch. Fahad Azim appreciation IEEE HIIT Student branch 2013 activities & encouraged the new team. Dr. Samreen Amir (New Counselor IEEE HIIT student Branch) also enlightened the students with his thoughts about IEEE HIIT Student Branch future plans in which she discussed WIE Chapters activities also. Head of Department (BS-Computer Systems) Dr. Aqeel-ur-Rehman, Head industrial relations Asim Hussain and others.

Around 69 new members and 20 previous members were present in the HIIT auditorium where the event took place. After Distributing the shields and certificates to the previous body. General Secretary Utam Prem gives Vote of thanks speech. In the end of the event Hi -Tea was also arranged for the IEEE members.

Waleed Bin Sohail
Chairman
IEEE SB, HIIT Karachi

IEEE SB, KUCE:
Industry Visit – 2014

Dept. Electronics and Communication Engineering, College of Engineering, Kakatiya University, kothagudem and IEEE KUCE Student Branch, organized an industrial visit to Kothagudem Thermal Power Station (KTPS), Paloancha on 15-07-2014. We received good response and active participation from the III/IV students of this campus. 20 IEEE members, and 25 non IEEE members, total 45 students and one faculty coordinator participated. The Assistant Engineer Plant Operations, of KTPS, explained the Electricity generation process from coal and water. The students visited various units like coal feeder, Ball miller, Primary fan used for combustion, Furnace, Steam Production, High Power Turbine, Intermediate Power Turbine, Low Power Turbine, Generator, Cooling Towers, Control room and distribution network housed in the Unit V (250MW) of KTPS.

We extend our heartiest thanks to The Chief Engineer, KTPS for according permission to visit the plant on 28 June 2014 a day to cherish for some of the lucky students who are honored with your humble gesture to get a once in a life time opportunity to visit such an esteemed organization.

We want to thank our Principal Dr. Sesha Srinivas for providing the required moral assistance and the IEEE KUCE Student Branch EXECOM for providing the financial assistance and we also convey special thanks to our faculty & branch counselor, Asst. Professor, K. Punnam Chandar for organizing and coordinating the visit.

Students-Faculty-AE-Plant

Students at the Plant Site

Kothapelli Punnam Chandar

Branch Counsellor
IEEE KUCE Student Branch

IEEE SB, Mepco Schlenk Engineering College Student Branch: 3 Days Opening Fest 2014

The "3 Days Opening Fest was conducted by the IEEE Mepco Schlenk Engineering College Student Branch Officers from 30th July 2014 to 4th August 2014. This is three days event exclusively conducted by our student branch on the eve of arrival of "Fresher's" to our college, The Fest comprises of three basic events on three days.

Induco: Orientation to Fresher's
The objective of the event is to illustrate about IEEE and its endless novelty in the field of engineering technology, this event is conducted on by the IEEE student branch, and this event is open to all the fresh aspirants who have joined our college this academic year.

Fresher's Challenge: (Mr./Ms. Fresher Contest)
The scope of the event was to judge the students based on their technical, communication and inter-personal skills and to judge the participants how they work as a team.

Workshop on ROBOT STUDIO 5.15:
The purpose of this workshop is to indulge an inspiration towards the rising field in Engineering and Technology "Robotics and Automation" and to illustrate the basic building of robotics through computer simulations

This event was conducted on 4th August 2014 by our student branch CHAIR Mr. M. Kiruba Sankar, The event begun with a general question about "What's a ROBOT?" Then the tutor explained about the basics of a robot and general characteristics of and Industrial Robot along with robotic anatomy and then "Three basic ASIMOV's law of robotics. Later the session went on to software concepts the Robot studio an Integrated industrial robotic software produced by ABB robotics a pioneer in industrial robot production, with Robot studio the basic workstation creation along with mechanical building of the robots were shown. Tutor explained the basic types and function of different

robotic programs and this session of Robot Studio was based on the language "RAPID".

Our student branch counselor Mr. C. Kalyana Sudaram concluded the workshop as well the 3 days opening fest by presenting the participants with certificates and prizes to the winners of the challenge.

Mr.C.Kalyana Sudaram M.E.,
Branch Counselor
IEEE Mepco Schlenk Engineering College SB
IEEE Madras section

IEEE SB, NEDUET: INFUSE FYP-Pedia, from A to Z

Final Year Project – the name itself suggests a huge pile of pressure on the students, with the students determined to compile all their four long years into one single project that reflects their academic and professional approach towards studies; and so, IEEE NEDUET SB organized a very informative and helpful session, which was very well received by the student at the campus.

Our first guest speaker was Dr. Saadia Muniza - Assistant Professor at Electronics Department, who gave the crowd a great deal of information and overview of the critical awareness the students must have to initiate, acquire, select and process an FYP. She emphasized on having the skill of writing the project proposals, project reports, how to work as a team for a project. Her informative session was summarized with key points: the earlier the project is planned, the better it is. It should be relevant to an industry, academia and business, and for the welfare of the society. And last but not the least; she gave a very important advice, 'Be Original'.

Our second guest speaker, Mr. Khawaja Mohammad Salman from Ufone Private Ltd. took the audience on an enjoyable yet informative ride of Project Management. In his presentation, he talked about the role of Project Manager to bring out a successful and well-planned project and how to keep the team intact throughout the project-making tenure. He gave an insight to the audience about the current job market situation and how working hard instead of hoping for a miracle brings the best fruit. 'Plan for tomorrow but live

for today' was its core message that had a hidden advice for the audience.

The final speaker was a recent graduate of NED University, who works as an iOS developer at Folio3 Private Ltd; Mr. Hamza Azad. He explained the whole process of developing an application and how to submit periodic reports to the internals and externals. He also introduced the audience to the new developments in the software field for their projects.

Muhammad Hassan, Chairperson of IEEE NEDUET SB appreciated the speakers and also asserted the importance of FYP in an engineer's life.

Documentation Team (IEEE NEDUET SB)

IEEE SB, NUCES (Karachi, Pakistan):
IEEE Green Energy Showcase 2014

IEEE NUCES Student Branch (Karachi, Pakistan) conducted an activity on Monday, May 12th, 2014 named 'IEEE Green Energy Showcase 2014'.

The activity conducted under IEEE Special Interest Group on Humanitarian Technology (SIGHT) is an initiative that focuses on creating opportunities for members to devote time and talents to humanitarian work consistent with IEEE's Constitution to Student Branch (Karachi) "bring the benefits of technology to the entire world."

IEEE NUCES Student Branch (Karachi) for the first time brings an event to showcase the skills and innovative ideas to a platform from where students can be recognized. IEEE aims to give innovative ideas and designs for generating green energy. There were more than 28 projects of different types including kinetic energy muscular energy, wind energy and many more. Students took part actively and were motivated by Director of National University of Computer and Emerging Sciences - FAST. Shields and certificates were also distributed among the participants and winners.

Student participated with real dedication and there were very motivated towards there project, there hard work can easily evident by the following work.

Thanks to Team - IEEE NUCES Student Branch.

More pictures available at IEEE NUCES SB Page: https://www.facebook.com/media/set/?set=a.5739 73222717773.1073741826.112189885562778&ty pe=3

Muhammad Rabeet Sagri, Chairperson-IEEE YP Karachi elaborating about IEEE SIGHT to participants.

Participants showcasing their projects after the evaluation done by faculty.
Muhammad Rabeet Sagri
Chairperson,
IEEE Young Professionals Karachi.
IEEE NUCES Student Branch

IEEE SB, UCET IUB:
IEEE WIE St' UCET IUB SB-Ms Anam Mazhar Achievement

The UCET IUB Student Branch and all of its executive committee congratulated Miss Anam Mazhar, Vice Chair-IEEE WIE UCET IUB Affinity Group, along with her team mate Miss Lalarukh Shairani, Chair IEEE WIE UCET IUB Student Branch, has been selected with their Project Titled as "Iris/Retina Scanned Controlled Computer" in All IEEE-R10 Young Engineers Humanitarian Challenge 2014 among 24 other wonderful projects from Region wide countries. Moreover, the whole executive team also congratulated her for getting selected as IEEE Xtreme Student Amassador 2014. On her recent achievements she thanked IEEE in her own words as "IEEE being the most wonderful organization ever I volunteered for, it's been an honor now to be member of IEEE for last 3 years, being WIE Member and specifically in Engineering field, IEEE helped me in giving me all of the benefits that motivated me to be member of IEEE even after completing my graduation. I again thank IEEE, that is truly Advancing Technology for Humanity, and encourage all of the WIE Members to join IEEE and enjoy benefits from IEEE."

Miss Anam Mazhar-Vice Chair IEEE UCET IUB Student Branch

IEEE AEPEX(Annual Engineering Project Exhibition):

IEEE Aepex was the biggest event organized by IEEE UCET-IUB Student Branch. The event included 40 projects of the students including 3 research papers published in the international conferences of IEEE, related to the fields of Electronics and Computer Systems Engineering. The event was of a day and was visited by more than 800 visitors including the students enrolled in The Islamia University of Bahawalpur along with several reputed universities named as U.E.T, Lahore, UET Taxila, BZU, Multan and other institutions. The event was specially visited by Respected Vice Chancellor, Prof. Dr. Muhammad Mukhtar, The Islamia University of Bahawalpur along with the representatives of several telecom and control system, power industries including PTCL, U-fone, Telenor, WAPDA etc. The event was covered by local and other national media including Geo TV, Dunya TV, FM 107 Bahawalpur etc.

IEEE AEPEX Organizers along with Excom of IEEE UCET-IUB.

Saad Rind,
Chair, IEEE UCET IUB Student Branch

IEEE SB, UOK Academia:
Project Based Training for All

IEEE UOK Student Branch has been working in Karachi University so as to evolve students and make them a part of technological advancement meant for progress of humanity. It has also kept students technically updated and provided them benefit from the resources that IEEE has been offering to the world for the last five decades.

IEEE UOK Academia has been officially launched by IEEE UOK SB in the month of July with the purpose to promote scientific excellence and free project based training for all students. It aims to provide project based free training for all students by organizing training sessions,

workshops and extensive training courses remaining within IEEE fields of technologies. Beneficiary of this program are teachers, students and IUA trainers. These trainers will have the chance to become teaching assistants and help teachers in regular semester course. They will also have the chance to be appointed as an assistant faculty member on the basis of his/her performance evaluated by management of University.

With an emphasize on project based training for all, team of academia is currently organizing project based extensive 9 – 10 weeks training courses on Structural Programming, Object Oriented Programming, MVC Web Engineering and Unity 3D Game Development. It has previously organized workshops on topics like Boundary Value Testing, Game Development and Windows 8 Application Development. IEEE Infission'14, an intra-departmental event was also organized by IEEE UOK Academia for the first in the history of Department of Computer Science, UBIT and has also arranged training sessions on speed programming, graphics designing, mobile application development and website designing.

"IEEE Infission – Speed Programming Training Session

IUA has opened the doors of opportunities for all students. Apart from semester courses, students who are enrolled in IUA extensive training courses will have the ability to develop their own projects. Moreover, top three students of this courses will be provided a chance to extend their project or build their own start-up in collaboration with UBIT Innovative Labs. As a token of appreciation, certificate of distinction will be given to those students who successfully complete this course and IUA trainers will be nominated for

Student Branch Awards for their tireless efforts and dedication towards their concerned course. In short, endless opportunities will be there for students and trainers.

Facebook Address:
https://www.facebook.com/ieeeuokacademia

Saud Ur Rehman,
Treasurer and Chief Editor of Publication Wing.
IEEE UOK Student Branch

WIE Affinity-Group News & Highlights

WIE BSACET Mathura India: Women Empowerment through Soft Skills Development

IEEE-WIE Affinity group (STA 14581) BSA College of Engineering and Technology Mathura India organized One Day workshop on "*Women Empowerment through Soft Skills Development*" on August, 09, 2014.

The Institute Director Prof S K Goel inaugurated the event and convey his motivation and benefits of the workshop. Working continuously in favour of women empowerment, the affinity group added one more advanced step towards the women empowerment by making them familiar with the routine used soft skills which may diminish the hesitation. The affinity group organized the event in a multi objective scenario so as to have an attractive view. The girls from various universities and colleges participated in the workshop. They were made familiar with the Internet Banking, Internet reservation, and other soft skills. During the lab session, the participants were provided the helping hands on practice. A presentation was delivered in order to motivate the girls to join WIE and contributing in technical development.

Branch counsellor and WIE affinity group advisor Prof. Aseem chandel concluded the event and added that the workshop will strengthen the females and simultaneously he motivated for paperless working to save the environment.

All the WIE officer bearers and member contributed with a great zeal and zestin making the event successful and predict that it will be helpful.

Group Photo of Participants and Volunteers

Certificate distribution by Head of Institution

Dr. Aseem Chandel
BSACET Mathura UP India

WIE Affinity Group- Mepco Schlenk Engineering College:
Workshop on Netbeans IDE

The workshop was conducted on July 7, 2014 by our student branch office bearers. It was an event that was open to the students of our college. The event started at 4:45 pm in the evening and ended around 6 pm.
The main objective of this workshop was to make the participants aware of the essentials for NetBeans IDE and to get comprehensive knowledge about the NetBeans Environment.

The event started at 4:45 pm, with our student branch chairperson Mr. Kiruba Sankar giving a general idea about the event and welcomed the gathering.

The session was started by out WIE CHAIR Ms. Harini who briefed the students about NetBeans IDE, its history and growth. Then she went on to describe about the IDE and the advantages of IDE over compiler. This session was followed by a short introduction about JAVA programming language.

The next part of the session covered the basic JAVA application development in NetBeans IDE and the ease of programming in NetBeans environment was demonstrated. Then designing the Graphical User Interface in JAVA and using MySQL as back-end connectivity was demonstrated in the NetBeans Environment by her.

The later part of the session was taken over by Mr. Aparajith Lal Kumar and he explained about the web development using NetBeans IDE. He briefed the students about the basic HTML elements and then a sample web page creation in the NetBeans environment was demonstrated by him.

Finally he ended the session by discussing the other additional features of the NetBeans IDE and the ease of coding in such environment.

During Training Session of the Workshop

Moreover, we taught how to create application developer account for free and publish their apps for free or at some preferable cost. So students were aware how they can earn while they are learning.

Our student branch counselor Mr. C. Kalayana Sundaram concluded the session by providing the certificates to the participants.

M. Kiruba Sankar
Chair, Mepco Schlenk Engineering College SB
IEEE Madras Section

IEEE South Australia Section: Robotics Workshop for South Australian Country School Girls

Country girls are significantly under-represented in university science, mathematics and engineering programs and the aim of this event was to raise awareness of STEM (Science, Technology, Engineering and Mathematics) occupations amongst girls from country high schools, their parents and teachers. By asking schools to nominate suitable Year 9 and 10 girls, the Women in Engineering (WIE) affinity group would have the opportunity to influence girls with an aptitude and interest in STEM before they chose their subjects for Year 11 and 12, making it more likely that they will study maths and science subjects that lead to STEM undergraduate courses at university.

This Robotics Workshop event involved the collaboration between the engineering department of Flinders University, a local university, Robogals-Adelaide, a volunteer group for female university students and the IEEE WIE affinity group in South Australia.

Thirty Year 9 and 10 girls from a number of South Australian country schools attended the one-day robotics workshop at Flinders University on 18 August 2014. The event included both presentations and hands-on activities. The program for the event was:

- Arrive at Flinders University at 9:45am for a10am start
- 10am – Welcome and talk by Woman Engineers
  - "What is Engineering and how do you become an Engineer?"
- 10:30 – Build your own Flii microcontroller game (activity involves each girl soldering a circuit board – as shown in Figure 1.)
- 12:30 – Light lunch
- 1:00 – Robogals robotics workshop (activity involves programming a LEGO robot – as shown in Figure 2.)
- 3:00 – Question time, including seeking participants' feedback on this activity
- 3:15pm – Conclusion

Soldering the Flii microcontroller board

Each girl was excited to take home their own Flii microcontroller based electronic game to demonstrate to their friends and family. (The Flii is a robust device comprising an LCD screen, accelerometers and temperature gauges.) The participant feedback suggested that the girls had a wonderful time and took home confidence that they could undertake engineering activities. The teachers accompanying the girls also expressed their enthusiasm for the workshop and looked forward to future activities.

Programming the LEGO robots

Dr. Sharmil Randhawa
Secretary, Women in Engineering Affinity Group, IEEE SA Section
Secretary, IEEE SA Section

Dr. Giuseppina Dall'Armi-Stoks
Chair, Women in Engineering Affinity Group, IEEE SA Section
Treasurer, IEEE SA Section

Looking for conference & events?

There are a lot of IEEE conferences to be organized in Region 10. Here is the step-by-step instruction to call up all the conferences and events:

1. Please visit the website: *http://www.ieee.org/index.html*
2. Click on the tabs "Conferences and Events" on the top
3. Under "Search Conferences", type in Region 10 Asia Pacific in Location field.
4. Narrow the search by selecting the date range.

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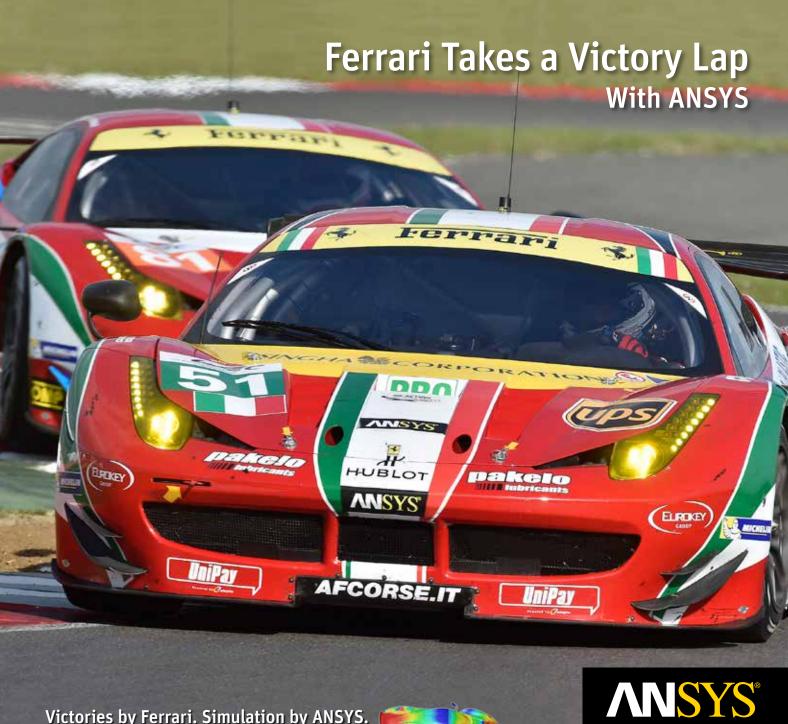
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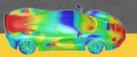> Takako Hashimoto
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