IEEE Advancing Technology for Humanity

THE IEEE REGION TEN NEWSLETTER

Editor: Ruey-Beei Wu

December 2014

IEEE R10 News and Highlights

Editor's message

Dear IEEE R10 Members,

I'm pleased to bring you the December 2014 issue of IEEE R10 Newsletter. I hope you will enjoy reading the articles featured in this issue.

This issue marks the end of my term as the Editor of IEEE R10 Newsletter. Over the last two years, I prepared each issue with great passion and committed to bring out the high-quality R10 Newsletter, featuring the most informative and interesting stories from every corner over the Region 10. I would have not been able to do without your solid support. It has been your contributions of those exciting reports and news articles that have helped the R10 Newsletter to be so well established.

About two years ago, I took the initiative to encourage joint efforts for the emerging humanity issues by adding three special columns: ICT for Humanity, Brain Mobility, and Youth Employment. For ICT humanity column, we have two articles addressing their precious experience and efforts in bridging digital divide and transforming it into digital opportunities in leveraging connections of ICT humanitarian issues. In March 2013 issue, we have included 'Digital Opportunity for Visually Impaired in the Philippines' and In December 2013 issue, we included 'IEEE Malaysia Section: Using Information Communication Technology to Bridge Troubled Youths'. For Brain Mobility column, we have three rigorous academic/research institutes which present excellent academic programs and research projects offered to you scientists around the world. They are 'Institute for Information Industry (III)' in March 2013 issue, 'GICE, National Taiwan University' in June 2013 issue and 'National Center for High-Performance Computing' in September 2014 issue. I hope that these three columns will promote active interchange of ideas regarding up-and-coming humanity issues.

In this issue…

In closing, I would like to convey my gratitude to several people whose help and support have made my terms very gratifying. First of all, I would like to thank the former editor Zia Ahmed, who has gone out of his way to offer support, advice and encouragement as I blundered through my first months as Editor of the R10 Newsletter. Also, thanks are also due to previous Directors Janina Mazierska, Yong Jin Park, and Lawrence Wong who have set up milestones for the R10 Newsletter. Special thanks to my EXCOM colleagues for their backing and Fanny Su and Ewell Tan from IEEE R10 Headquarters, Singapore. They were always there to help me out whenever I needed it. In addition, I would like to thank Erica Chai, whose assistance with the layout and production has been tremendously important. Without their efforts, these quarterly publications would never have become a reality.

Last but not the least, I would like to express our cordial appreciations for the advertisement from some leading publishers including ARTECH House and CRC Press, and in particular the constant hearty support from the ANSYS, Inc. for sharing the most updated development of the world leading field solver for multi-physics and multi-domain analysis. Their support has tremendously helped us in maintaining the high quality of this quarterly publication.

The next R10 Director, Mr. Ramakrishna Kappagantu, has assigned Mr. Nitin Keshav, Strategy Consultant of the Technology Consulting Department, Accenture Inc., as the coming R10 Newsletter and the Electronic Communications & Information Management Coordinator. For further communications, please contact with him via e-mail: nitin.keshav@ieee.org, and wish to have your continuing hearty support.

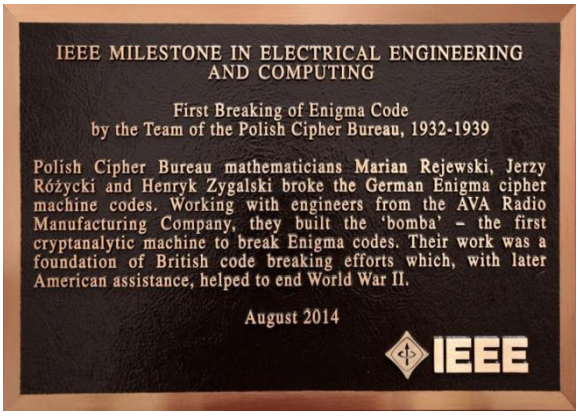
So here, the issue is now in your hand. I hope you will all enjoy it.

Ruey-Beei Wu,
Editor of IEEE R10 Newsletter

Erica Chai
Assistant Editor, IEEE R10 Newsletter

IEEE Milestone Dedication on the First Breaking of Enigma Code (Poland Section)

The IEEE Milestones in Electrical Engineering and Computing program honors significant technical achievements in all areas associated with IEEE. Our Region has got twenty four Milestones so far, including Yagi Antenna, Shinkansen Bullet Train and Bose Millimeter Wave Experiments. On 5 August 2014, the first deciphering of secret German messages (created using electro-mechanical rotor cipher machines Enigma) achieved by Polish mathematicians was awarded this distinction. This breakthrough and later work on the Enigma is assessed to shorten the World War II by three to five years. The IEEE President Roberto de Marca unveiled the Milestone plaque in front of the Mathematics Institute, Polish Academy of Sciences in Warsaw. The writing on it reads as follows:



The IEEE Milestone plaque

The highly impressive ceremony consisted of two parts: International Seminar "From First Breaking of Enigma Code to Modern Cryptography" and the IEEE Plaque Dedication Ceremony, attended by many distinguished representatives of IEEE:

IEEE President J. Roberto de Marca, VP-Technical Activities Jacek M. Zurada, Director Div. IV Joseph Modelski, Region 8 Director Martin Bastiaans, R8 Director Elect Costas Stasopoulos and other IEEE members of the Poland Section with its Chair Ryszard S. Jachowicz.

The ceremony was attended by nearly 250 people, including senior political and scientific representatives: Vice-President of Warsaw City,

President of Polish Academy of Sciences, President of Polish Federation of Engineering Associations, President of Association of Polish Electrical Engineering (SEP), Chair de Affairs of Republic of France and the First Secretary, Head of Policy Delivery Group, British Embassy, as well as a significant number of high rank Polish army officers, families of the awarded mathematicians and many others

After the Milestone dedication – from left to right: J. Zurada (IEEE V-President, TAB Chair), Roberto de Marca (IEEE President), C. Stasopoulos (R8 Director–Elect), J. Modelski (Div. 4 Director) and M. Bastiaans (R8 Director)

SHORT HISTORY OF ENIGMA

Enigma is an electrically wired rotor machine invented by the German engineer Arthur Scherbius at the end of World War I; a sequence of ciphers is generated by the motion of rotors in the machine. It is one of several cipher machines that were developed for military use after World War I in Germany. During the 1930s, a trio of Polish mathematicians Marian Rejewski (1905 – 1980), Henryk Zygalski (1907 – 1978), and Jerzy Różycki (1909 – 1942) resolved the German Enigma cipher machine and broke Enigma messages. Working with engineers from AVA Radio Manufacturing Company they built the "bomba" – the first cryptanalytic machine designed to attack Enigma.

The Enigma cipher machine

The Reichsmarine of Germany began using Enigma cipher coding machines in 1926, and the Reichswehr began using it in 1928. The Polish Cipher Bureau had many successes during the Polish-Soviet War (1919 – 1921), and in the 1920s the Cipher Bureau monitored radio signals resulting from German military exercises. In 1928 the Poles were confronted by messages that – because of the randomness of letters in the messages – were thought to be generated by a cipher machine. The Intelligence Services of other countries believed after some trials that breaking of the Enigma codes was impossible.

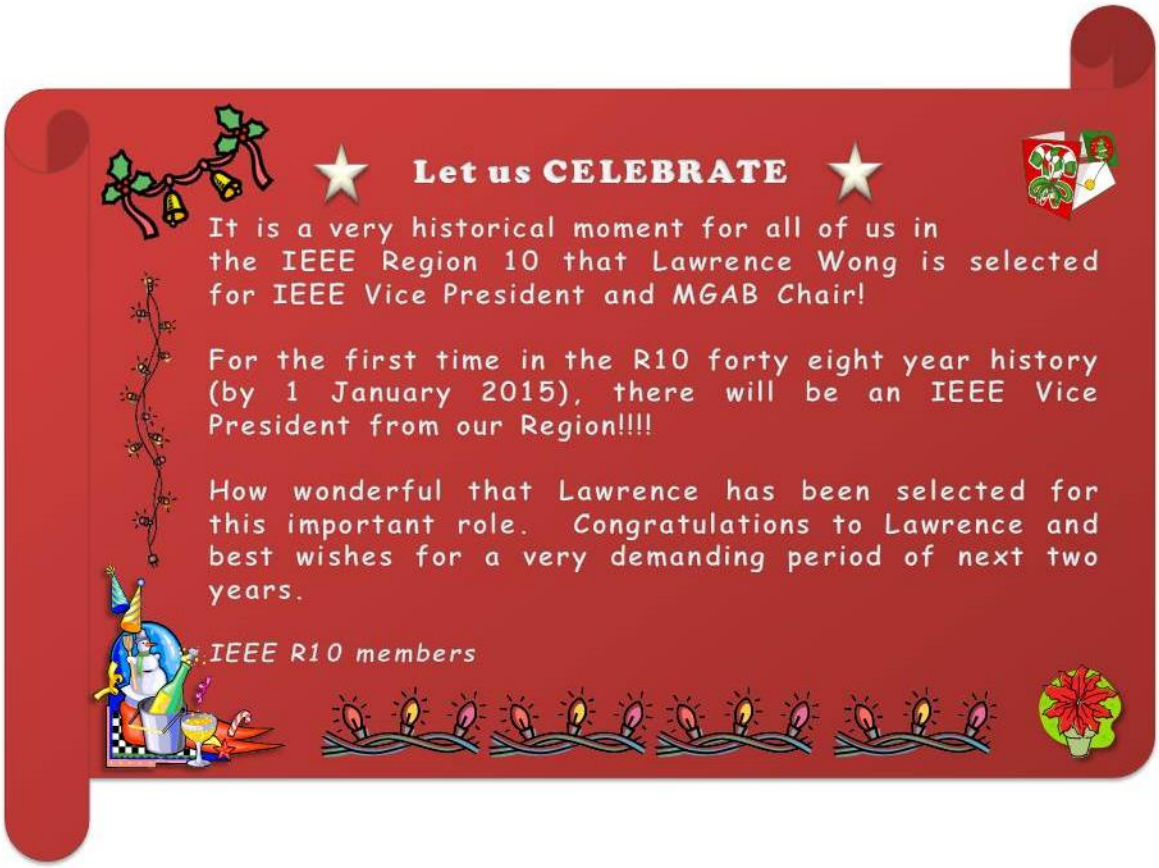
By the end of 1932, Rejewski had determined the wiring of the rotors of the military version of Enigma. In 1932, the French gave Rejewski two German manuals that described the operation of military Enigma. He had managed to write a system of equations that modelled the permutations of the six indicators (which were used by the sending operator to transmit the message setting to the receiving operator) at the beginning of Enigma messages. In December 1932, Rejewski received from the French the setting sheets for September and October. This information allowed Rejewski to substitute for some of the unknowns in his system of equations and solve for the wiring of the rotors. The Polish codebreakers developed several techniques to determine settings. For example, Różycki developed the "clock method," and Zygalski developed a set of perforated sheets. Two differing methods resulted in the production of codebreaking machines – one machine to produce a catalogue of settings and their "characteristics" and another to determine the rotor settings. In 1934, Rejewski was able to exploit patterns,

which he called characteristics, produced by the six-letter indicators at the beginning of Enigma messages.

Working with the engineers at AVA – Radio Manufacturing Company, Warsaw, one of the most famous codebreaking machines – the bomba – was produced. The six bombs (plural in Polish for "bomba") searched through all 105,456 rotor settings for those that exhibited patterns that could be determined from the indicators after a sufficient number of messages were intercepted. As there were three rotors and three positions for rotors in Enigma, there were six possible rotor orders; therefore, six bomby were produced. In July 1939, as war with Germany loomed over Poland, the Polish codebreakers met just outside Warsaw with British and French codebreakers. During this meeting, the Poles described their achievements against Enigma, gave the British and the French one of the systems each and information on the methods used by the Poles to solve daily change of keys. After September 1, 1939, when Germany attacked Poland, British codebreakers (Alan Turing and Gordon Welchman and engineers such as Harold "Doc" Keen and Thomas "Tommy" Flowers) at Bletchley Park continued the attack on Enigma modifications by Germans during WWII. One of the developed machines to attack Enigma was the Turing-Welchman bombe. (IEEE Milestone, Bletchley Park, 1939 – 1945). Both the British bombe and the earlier Polish bomba searched through all possible Enigma rotor settings for settings that produced patterns that had been noticed by the codebreakers. While the British bombe searched for patterns in Enigma messages, the Polish bomba searched for patterns in Enigma indicators.

After the United States had entered the war, US Navy mathematicians at Naval Communications in Washington, DC, designed cryptanalytic machines to attack Japanese ciphers and machines to assist the British with the attack on naval Enigma. These codebreaking machines were engineered by Joseph Desch and other engineers at the Naval Computing Machine Laboratory located at National Cash Register Company in Dayton, OH. One of the machines to attack naval Enigma was the US Navy cryptologic bombe. (IEEE Milestone, Naval Computing Machine Laboratory, 1942 – 1945).

Janina Mazierska,
Advisory Committee
(based on Report by Ryszard Jachowicz)



2014 R10 Outstanding Volunteer Award

Dear Section & Council Chairs,

It is great pleasure to announce the winners of the 2014 R10 Outstanding Volunteer Award.

The Region10 Award and Recognition Committee selected the following three members as the recipients of this award after thorough review by the committee:

- Ashok D. Jagatia (Bombay)
- Nirmal-Kumar C. Nair (New Zealand North)
- Graeme Gwilliam (New South Wales)

Congratulations to the award winners for their excellent works and contributions!!

All the award recipients can attend the 2015 R10 Annual Meeting in Dhaka where a certificate of this award will be presented, but there will be no travel support except Ashok D Jagatia. The corresponding Section Chair will receive the certificate if the award recipient does not attend the meeting.

We appreciate the works and contributions of all nominees, although we could select only limited number of volunteers as the award recipients. We would also like to thank R10 Sections for their interest and nominations for this award.
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Kukjin Chun
2013-14 IEEE R10 Awards & Recognition Committee Chair

2014 R10 SAC Awards

Dear Council & Section Chairs, SB Chairs and Counselors,

Thank you very much for your continuous support to IEEE Region 10 Student Activities. Followings please find results of 2014 R10 SAC Awards. Congratulations to all the winners and big thanks to all the participants.

(1) Larry K. Wilson Regional Student Activities Award

In total 23 nominations were received this year. The winner receives a special plaque and three years complimentary membership in the IEEE, which is sponsored by the IEEE MGA Board.
The special mention winner receives the certificate from IEEE Region 10.

Winner: Ms. Esther Ling Pi Ya (Curtin University of Technology Sarawak Campus– Malaysia Section)

Special Mention: Mr. Prasanth Mohan (Sri Muthukumaran Institute of Technology – Madras Section)

(2) Region 10 Exemplary Student Branch

There were 14 entries from across R10. Prize money for the outstanding SB award is sponsored by Region 10.

1st Place (Exemplary Student Branch Award): USD250 & Certificate

-IEEE NFC Institute of Engineering and Fertilizer Research (Lahore Section)

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Please get in touch with me for the claim of prize money.

Om Perkash
2014 IEEE R10 SAC Chair

IEEE Sections Congress 2014

Sections Congress is a triennial gathering of IEEE grassroots leadership to: network with other Section leaders; attend training programs; develop recommendations to guide the future of IEEE. This year IEEE Member and Geographic Activities (MGA) Board partnered with Region 8 in hosting IEEE Sections Congress 2014 (SC2014) in Amsterdam, Netherlands, at the Rai Convention Center, from 22 to 24 August 2014.

A count of 1063 IEEE attendees comprising staff, primary delegates from 296 sections, secondary delegates from 127 sections, exhibitors, and sponsors convened at IEEE Sections Congress 2014 (SC2014). Attendees could use the SC2014 mobile application or Web site to view the program schedule, speakers, exhibitors, and sponsors. They can also connect with other attendees and interact via social media. There were five 75-minute Breakout Sessions apart from 62 Learning Labs and 38 IGNITE sessions. Furthermore, the presentations were linked to session topics. Robothespian, a life sized interactive humanoid robot, thrilled the attendees with greetings, expressions and a choice of coloured LED body lighting. Robothespian is remote control from a tablet PC with telepresence.

The 2014 IEEE Honors Ceremony was held on 23 August 2014 with the theme "Inspire" The honorees are those who have served to inspire others as leaders within industry and academia. There are those whose work itself is the inspiration that drives successors to keep moving the state-of-art forward. There were presentations for Corporate Recognitions, Service Awards, IEEE Honorary Membership, IEEE Joint Award and IEEE Medals.

The Closing Ceremony was held on 24 August 2014. Tom McKee, keynote speaker, spoke on volunteer experience. Seismic shifts in volunteerism, and the knowledge-based economy has resulted in a new breed of volunteers. Volunteer leaders do not manage volunteers but empower them. Additionally, volunteer leaders do not ask for a long-term commitment but a one-time event commitment. Primary Section Delegates had voted for five (5) prioritized recommendations during IEEE Sections Congress 2014.

Closing Ceremony

Dianne Cheong Lee Mei
Communication/Newsletter Chair
Malaysia Section

Cyber Security Trends in Asia Pacific

Edith Cowan University (ECU) and Singapore Polytechnic (SP), together with IEEE Asia-Pacific Ltd, jointly organized a free seminar on 28th Nov 2014, titled "Cyber Security – Threats, Challenges and Preparedness".

Prof. Andrew Woodward, Head of School of Computing and Security Science from Edith Cowan University was the invited speaker.

This seminar examined the nature of threats, internal and external threats, and a focus on what we are doing to address threats, and whether we are doing enough to mitigate threats.

Prof Andrew conducted the seminar with questions and answers backed with statistics: With business increasingly reliant on computers,

networks and information, how prepared is your organization for the rapidly growing threat of cyber-attack? Do your staff have the appropriate knowledge to defend against this attack? If you outsource your cyber security needs, are you getting what you paid for? Do you know who is accessing your information? Are you prepared for the move to the Cloud, and do you understand the risk involved?

About 70 to 80 participants attended the seminar. Among them were IEEE members from KPMG, A*Star and the Singapore University of Technology and Design (SUTD). Four IEEE members, who are lecturers from the University of Technology MARA (UiTM) from Malaysia also joined us.

This seminar was a prelude introduction to the 2 course modules, "Computer Forensics" and "Ethical Hacking & Defence", that will be jointly launched by the Singapore Polytechnic and Edith Cowan University, and supported by IEEE Asia-Pacific Ltd in March 2015.

Left to Right: Leo, Fanny, Prof Andrew (ECU), Mr Billy (SP), Ms Neo (NTUC Learning Hub)

LEO Hwa Chiang
IEEE Asia-Pacific Ltd, Singapore

Special Corporate Rate for IEEE members

Dear Section Chairs,

We are delighted to share with you the 2014-2015 corporate rate package that we established with the Shangri-La Hotel, Singapore, where IEEE members can enjoy special hotel rates when they visit Singapore.

Shangri-La Hotel, Singapore was conferred the Best Business Hotel in Singapore titles for the 13th consecutive year by readers of Business Traveller Asia Pacific.

Please visit the hotel website at:
http://www.shangri-la.com/singapore/shangrila/

IEEE members can enjoy special corporate room rates* from S$ 340 ++, with additional benefits of complimentary unlimited high-speed internet access and free access to health club facilities**.

** Corporate rates will not be applicable for group reservations of 10 rooms and above.*
** Blackout dates:*
- Shangri-La Dialogue: 29 – 31 May 2015 (both dates inclusive)
- Formula One Grand Prix: 17 – 20 September 2015 (both dates inclusive)
*** Except tennis court and massage service.*

The Shangri-La Hotel, Singapore also offer complimentary bus services to the central business district, selected industrial parks and the main shopping and entertainment belt of Orchard Road.

For reservations and more details on the Terms and Conditions, please contact the hotel at reservations.sls@shangri-la.com , Tel. no.: +65 6235 1666, Fax no.: +65 6735 5980.

You may also refer to our R10 website at:
http://www.ieeer10.org/2014/11/02/special-corporate-rate-for-ieee-members-offeredby-shangri-la-hotel-singapore%e2%80%8f/ for more details.

Please share this good news and exciting benefits with your local IEEE members.

Thank you.

Dr. Michael Ong
R10 Individual Benefits & Services Coordinator,

IEEE Day and Customer Service Week 2014 Celebrations at the IEEE Asia-Pacific Limited in Singapore

IEEE Day 2014 is the day when engineers worldwide celebrate the anniversary of the first IEEE members gathering to share their technical ideas in 1884. Customer Service Week is celebrated annually during the first full week in October, since 1992 when the U.S. Congress proclaimed Customer Service Week a nationally recognized event.

This year, the IEEE Asia-Pacific Limited celebrated IEEE Day (7 October 2014) and Customer Service Week (6-10 October 2014) with a networking get together in our office for our volunteers in Singapore.

Fanny Su – Director, Singapore Operations welcomed guests, and introduced staff of the Singapore office. Staff gave a brief of their respective job roles and responsibilities. This was the first time that our staff Ms. Teh Wan Chin, Ms. Jacelyn Koh and Ms. Karen Lim who joined us recently was formally introduced to our volunteers in Singapore. This was also a first time for some of our volunteers to visit our office. An IEEE video on the customer service week with the motto "Say Yes to Excellence" was then played, and guests were treated to refreshments of sandwiches, pies and tarts. They were also delighted with a lucky draw and small tokens of IEEE souvenirs.

We were pleased to have this gathering to celebrate IEEE Day & Customer Service week, and we look forward to greater teamwork and collaboration with our volunteers. A great thank you to our guests who took time off their busy schedules to join us.

Jacelyn Koh
Customer Centre Analyst
IEEE Asia-Pacific Limited

IEEE R10 Chapters News and Highlights

IEEE CASS Malaysia Chapter: High Tea 2014

The IEEE Circuits and Systems Society (CASS) Malaysia (M) Chapter, has successfully conducted the 2nd High Tea Event where it is one of the strategies under the society to gather all IEEE CASS M members. This event is one of the 2014 IEEE CASS Outreach Initiatives, which has helped both society and members from universities and industries to exchange ideas, especially in research and not to forget planning collaboration and exchanging products commercialization ideas in Circuits and Systems research. For IEEE CASS (M) Chapter, this event is to expose to all that the society can provide help in enhancing and sharing the knowledge in Circuits and Systems and also provide activities that can give valuable benefits to those who are interested. The High Tea benefits many individuals and groups with good expertise a year through programs such developmental training, seminar and workshop, school innovative, creative services and community awareness on the society. It is also a new dimension aimed to strengthen national higher education with industrial people and the other professionals.

The program was held on 18th September 2014 at Dewan Putra Perdana 2, Shangri-La Putrajaya Hotel, Malaysia. The participants comprised of Committee Members of IEEE CASS Society Malaysia Section, IEEE CASS M members and IEEE members.

Among the objectives of this program is to strengthen national cooperation involved with through sharing of knowledge, to build a good networking between the academicians, companies and industries people and to express appreciation to students via IEEE CASS award winners, which includes of IEEE CASS (M) Innovation Awards, IEEE CASS (M) Master Dissertation Awards and IEEE CASS (M) Doctoral Dissertation Award.

IEEE CASS (M) Hi-Tea event was successfully conducted at Dewan Putra Perdana 2, Putrajaya Shangri-La on the 18th September 2014.

The program started with a welcoming remark from the organizing chair, Dr. Nurul Amziah Md Yunus. The program was then officiated and a talk on introduction to IEEE CASS M was given by the Chair of IEEE CASS M, Assoc Prof. Fawnizu Azmadi Hussin, followed by talks from invited speakers, Dr Nor Azmi Alias from CREST on 'Accelerating Economic Growth Through Targeted Research Collaboration in the Electrical & Electronic Sector' and Professor Dr. Masuri Othman from MOSTI on 'Commercialization of Innovation and Research'. The program was later enlightened by the announcement of IEEE CAS award winners for undergraduate, Master and PhD students led by Assoc. Prof. Dr Tang Tong Boon, the Head of the Award Committee. Four IEEE CAS (M) Innovation Awards won by Ng Beng Chet from University Sains Malaysia (USM), Lim Yen Nee

from University Malaysia Perlis (UNIMAP), Radin Yusof Radin Sadi from University Putra Malaysia (UPM) and Kang Chun Hong from University Teknologi Petronas (UTP). The two IEEE CAS (M) Master Dissertation Awards won by Ghazanfar Ali from University Teknologi Petronas (UTP) and Chong Wei Keat from University Malaya (UM) and one IEEE CAS (M) Doctoral Dissertation Winner Award won by Wameedh Nazar Flayyih from University Putra Malaysia (UPM). This half-day program ended with the last invited talk from industry by Mr Lai Soon Chong on 'The Next Evolution of Computing – Intel Perspective'.

The program has gained full support from the executive committee members of IEEE CASS M. Among them are Dr. Noor Ain Kamsani as the secretary, Dr. Asral Bahari Jambek as the treasurer, Dr. Fakhrul Zaman Rokhani, Dr. Haslina Jaafar, Dr. Maryam Mohd Isa and Yong Bang Ming as the executive committee members. In the event there were also special guests from IEEE CASS Singapore and Indonesia.

For more *Detail of the event, please see: http://cas.ieeemy.org.*

Nurul Amziah Md Yunus
Vice Chair IEEE CASS M
University Putra Malaysia

Group photo of the attendees for Hi-Tea event. (From Left, Behind): Lai Soon Chong, Choo Tzer Maan, Wameedh Nazar Falyyih, Chong Wei Kiat, Chuah Joon Huang, Suhaidi Shafie, Mohd Azmi Ismail, Tun Zainal Azni Zulkifli, Ghazanfar Ali, Marwan Al-Jemeli, Haslina Jaafar, Ili Salwani Mohamad, Mohd Natashah Norizan, Mohamed A. Alrshah, Sheroz Khan, Ali Idarous Adnan, Fakhrul Zaman Rokhani.

(From Left, Front): Maryam Mohd Isa, Azah Syafiah Mohd Marzuki, Siti Maisurah Mohd Hassan, Chong Kwen Siong, Nor Azmi Alias, Masuri Othman, Fawnizu Azmadi Hussin, Nurul Amziah Md Yunus, Noor Ain Kamsani, Iva Atyna, Fatin Fatihah Zahari.

IEEE R10 Councils/Sections News and Highlights

IEEE Gujarat Section: National Seminar on Computer Vision and Image Processing (NaSCoVIP)

National Seminar on Computer Vision and Image Processing (NaSCoVIP) 2014 (http://ieeegujaratsection.org/nascovip2014) - an IEEE Gujarat Section event was organized in Surat, Gujarat, India at two co-host institutes namely Sarvajanik College of Engineering and Technology (SCET), and Sardar Vallabhbhai Patel National Institute of Technology (SVNIT).

IEEE Gujarat Section delivered the best through its signature events NaSCoVIP - a national seminar series by providing a platform to the young researchers to enhance their knowledge in the state-of-the-art research in the field of computer vision and image processing. The event attracted various participants as researchers from academia including faculty members, Ph.D. scholars, M.Tech./M.E. in the field of computer vision, graphics and image processing. NaSCoVIP 2014 received grants from TEQIP-II (MHRD India), Gujarat Council for Science and Technology (GUJCOST), Department of Science and Technology (DST), Govt. of Gujarat and IEEE Gujarat section.Total number of participants in NaSCoVIP 2014 was as follows: Faculty members 41, Students 76, Industry participants 3, totaling 120.

The event was inaugurated on 19 September 2104 at TIFAC hall, SCET under presence of Dr. Shantanu Chaudhury, Dhananjoy Chair Professor, IIT Delhi as a chief guest. The event was spanned for two days with 8 invited guest speakers for pre-post lunch sessions on both days.

On the first day, following the inaugural session; first technical session was delivered by Dr. Kaushal Solanki, EYENUK, California, US by video conferencing. The talk covered details of computer vision application in identifying diabetic retinopathy using CV. The keynote address was second in the series and Dr. Shantanu Chaudhury from IIT Delhi mesmerized the audience with his talk on Image Retrieval: A Machine Learning Perspective. He explored the use of machine learning for multimedia content management involving single/multiple features, modalities and concepts.

In the post lunch session, Dr. Mehul Raval from IET, Ahmedabad delivered talk on Watermarking in Encrypted Domain. Integrity issue handled by placing authentication test Applications of encryption and watermarking jointly used to protect privacy and check integrity were covered during the talk.

The major attraction was a PhD forum discussion - the newly added attraction in NaSCoVIP series. It was included as last session on the first day and five selected PhD scholars presented their research work during the same.

The second day of the seminar was scheduled at new guest house at SVNIT, Surat and started with the talk of Dr. V. Ravi, Professor, IDRBT, Hyderabad on topic entitled “Cyber and Insurance Fraud Detection by Text and Data Mining”.

The second talk in the morning session was addressed by Dr. Kishore Bhurchandi, Associate Professor, NIT, Nagpur. The session covered “Image Processing: De-noising of Images using Non-orthogonal Transforms”.

Third session on the day was presented by Shri Vinod Mall, IG, Gujarat Police and discussed “Digital image authentication using structure based hash function”. During Post lunch session, Jignesh Bhatt-faculty associate at IIIT, Vadodara explained his research work on “Hyper spectral Remote Sensing”.

In the last session of NaSCOVIP’14, Dr. Parag Chaudhury, CSE department, IIT Bombay presented state of art work in “Virtual

Augmented Reality". The session included quick modeling of the real world, presence of increased computing power on mobile devices that can synthesize believable virtual objects and the ubiquitous presence of cameras.

In the end, certificates of appraisal were distributed to presenter of PhD forum and to all the participants of the seminar. The mega event is reached towards new benchmark of accomplishment due to the team of enthusiastic volunteers from SCET and organizing committee members.

Mehul S Raval, Vice Chair, IEEE Gujarat Section
Maulin M Joshi, Joint Secretary, IEEE Gujarat Section.

IEEE Karachi Section: Humanitarian Challenges for 21st Century

In the wake of humanitarian amenities these days and efforts that have been considered not only by Engineers or doctors but by everyone, IEEE Karachi Section organized a Technical Seminar Program based on theme "Humanitarian challenges for 21st century" at Karachi. The event was basically organized in collaboration and support of Region 10 on 27th September, 2014 at Avari Tower Hotel, Karachi.
According to theme, speakers who themselves have measured platforms and tools to enhance their humanitarian profiles were invited to talk on along with general audience, professional engineers social and humanitarian people. The event started with Chair, IEEE Karachi Section presenting a welcome talk and brief introduction on IEEE to participants following with three talks on different domains from three of the most renowned professionals in Karachi.
The speakers included Dr. B.S Chowdhary who himself is an IEEE Senior member and Chair, IEEE COMSOC Karachi Chapter; he defined how educational practices and little experiments can really be of use to humanity. He emphasized on academia and industry development towards technology gadgets that can be utilized on needy basis. The event had the privilege to have Dr. Nazir Vaid as one of the key speakers. Dr. Nazir is among those few people in Pakistan that have taken Social Entrepreneurship as their career. He is the founder of E-health kits, a tele medicine approach to solve medical issues and improve lives of rural people- He begin by sharing his story how and what motivated him to define such technology and introducing it to common people, his talk was more of a motivation to all participants.
Finally Dr. Zubair himself an IEEE Senior member underscored the importance of sustainable development for humanitarian technologies; he even delivered some models to confine technology in gadgets and via internet services and put light on sustainable computing solutions.
The event had participation from around 45+ professionals from all over the Karachi. At the end, a Vote of Thanks was delivered by Secretary, IEEE Karachi Section Engr. Tahir Saleem and shield in form of Token of Appreciation were distributed among three speakers by Mr. Parkash Lohana.
IEEE Karachi Section practiced to organize such technical seminars on bi-monthly basis, it not only involves professional's engagement with IEEE but in fact it creates awareness on such neglected issues of societies.

Sarang Shaikh
Treasurer, SAC Chair at IEEE Karachi Section

IEEE Madras Section: IEEE R10 Funded Teachers In-Service Programme at Thiruvannamalai, India

The IEEE Madras section organized IEEE Region 10 sponsored Teachers In-Service Programme (TISP) on 12th and 13th September 2014 at Thiruvannamalai. This program aimed at imparting the ability of technical literacy among teachers and students in schools. This program aimed at not only producing engineers but also quality engineers. The program was attended by a total of 67 teachers and students from various schools. The co-ordinators of the program were Dr. N. Kumarappan, Professor, Annamalai

University and IEEE Madras Section Educational Activity Chair and Secretary and Dr. R. Sridevi, Professor and Head, Department of EEE, S.K.P Engineering College, Thiruvannamalai.

The program started with an inaugural function. Mrs. R. Sridevi, Professor and Head, Department of EEE, S.K.P Engineering College, Thiruvannamalai has delivered the welcome address, Dr. R. K. Gnanamurthy, Principal, S.K.P Engineering College, Thiruvannamalai has presided over the function, Dr. N. Kumarappan, Educational Activity Chair and Secretary, IEEE Madras Section has delivered the inaugural address.

The Resource Persons for the program were Dr. N. Kumarappan, Professor of Electrical Engineering, Annamalai University, Annamalai Nagar, Er. M Venkatesh Kumar Secretary, IEEE Gold affinity group, IEEE Madras Section, Mr.T.Vigneysh, Research Scholar, Department of Electrical Engineering, Annamalai University, Annamalai Nagar, and Mr. R. Arulraj, Research Scholar, Department of Electrical Engineering, Annamalai University, Annamalai Nagar. The Program included two theory sessions, 'understanding the IEEE' and 'Engineer your classroom!' and in the afternoon session the participants were divided into twelve groups and were given hands-on activity. First they built their own solar toy car then wind mill and then created their own Electromagnet. The participants enjoyed doing these activities and they actively took part in it. Then finally there was a panel discussion for one hour.

Dr. N. Kumarappan and Mrs. R. Sridevi distributed the certificates to the participants. Mr. M. Karunakaran, Asst. Professor, Department of EEE, S.K.P Engineering College, Thiruvannamalai delivered the vote of thanks.

The program received an excellent feedback from all the participants. Thiruvannamalai being a rural area was highly suitable for this program as the people over here needed awareness about engineering. The TISP provided an excellent opportunity to enhance the level of technological literacy of pre-university students. It provided guidance to pre-university educators on professional development areas that students need. The theory sessions motivated the students while the hands-on training using basic engineering principles inspired and built an interest on engineering.

Dr N Kumarappan
EAC Chair, IEEE Madras Section

Group Photo of the IEEE TISP program

IEEE Malaysia Section: 1st IEEE National Final Year Project Symposium

IEEE Malaysia Section has organized the first 1st IEEE National Final Year Project Symposium on 9th November 2014 at Danau Golf Resort, Universiti Kebangsaan Malaysia, Selangor, Malaysia. The aim of the event is to provide opportunity for final year undergraduate students to showcase their research and development work as well as to engage industry participation in the activities of higher education institutions. The event is hosted by IEEE UKM Student Branch in conjunction with IEEE Malaysia Student Congress.

The main conducted activities are Career Guidance talk and Student Final Year Project Showcase. The career talk entitled "Career as an

Engineer' was given by Dr. Hafizal Mohamad, Senior Staff Researcher at MIMOS Bhd. Prior to the event, IEEE Malaysia Section has conducted online Final Year Project Competition in which students were requested to submit a softcopy of their A1 poster and short video explaining their final year project. The online submission was open in June until 31st July 2014.

The Final Year Project is divided into eight tracks; 1) Power and Energy 2) Telecommunication 3) Electronics 4) Control and Instrumentation 5) Signal and Image Processing and Analysis 6) Biomedical Engineering 7) Computer Science and Information Technology 8) Robotics and Automation. The submission for each track is evaluated by panels from industries and academics provided by different IEEE Chapters in Malaysia. The competition has attracted 178 participants from 27 different universities in Malaysia. The winners from all tracks were then requested to showcase their final year project A1 poster during the IEEE National Final Year Project Symposium and at the same time to receive the prizes and certificate from IEEE Malaysia Section. The winners for each track receive prize money of RM300 (1st Prize), RM200 (2nd Prize), RM100 (3rd Prize), a plaque and a certificate.

This is the first activity that has been succesfully conducted with the cooperation between Malaysia Section, Student Branch and 11 IEEE Chapters (IEEE PES Malaysia Chapter, IEEE PELS Malaysia Chapter, IEEE CPMT Malaysia Chapter, IEEE CAS Malaysia Chapter, IEEE SPSoc Malaysia Chapter, IEEE EMBS Malaysia Chapter, IEEE-RAS Malaysia Chapter, IEEE CSS Malaysia Chapter, IEEE Photonics Society (IPS) Malaysia Chapter, IEEE CS Malaysia Chapter and IEEE ComSoc/VTS Malaysia Chapter).

For the complete list of winners, please visit: http://ieeemy.org/students/list-of-winners-for-2014-ieee-malaysia-fyp-competition/

The prize money was sponsored by 11 technical sociey Malaysia chapters above based on the relevant track. IEEE R10 partly sponsored the event under R10 Professional Activites Support Fund.

Figure 1: Poster Exhibition of the finalist of the 2014 IEEE Final Year Project Competition

Figure 2: IEEE Malaysia Section committee members with Student Branch leaders and finalist of the 2014 IEEE Final Year Project Competition.

Dr. Md Pauzi Abdullah PhD
Chair of Student Activities, IEEE Malaysia Section, Excomm Power and Energy Society (PES) Malaysia

IEEE Queensland Section:

Site Visit to Australian Energy Market Operator Control Room

IEEE Queensland section organized a site visit to AEMO control centre in Brisbane, Queensland, Australia on 15th Oct 2014. This event successfully attracted 20 professional and student members. Visitors were in one group and there was a 40-minute presentation and a 30-minute centre visit. Hanxiao Zhang volunteered to facilitate the transportation and payment.

During the presentation, two AEMO presenters, Paul Ryan, Senior Manager, NEM RTO and Tjaart Van Der Walt, Manager, Operational Forecasting, gave a brief overview of the National Electricity Market (NEM), responsibilities of AEMO control centres and a detailed demonstration of the tools that are used to manage and forecast the regional electricity demand and prices. Presenters interacted with attendees and answered many of their interesting questions. Then the attendees got introduced to the whole NEM power network in the main control room and gained understanding of how AEMO supports the industry to deliver a more integrated, secure, and cost effective national energy supply.

Control room

It was indeed a very informative and interactive session for all. With efforts from IEEE Queensland Section and the delegates, the IEEE AEMO Site Visit was a great success and received positive feedback from all the participants. The site visit provided an excellent opportunity for members to learn about the operation of Australian energy market and to network with fellow members.

Nilesh Modi, MD Chair, QLD section
Hanxiao Zhang, UQ PES student branch.

IEEE Thailand Section: R10 TENCON 2014 in Bangkok, Thailand

Being a premier international technical conference of IEEE Region 10, since 1980 the TENCON has continuously provided an important forum for researchers and engineers from the industries, and professors and graduate students from the academia to network and to discuss new ideas and development in emerging areas of electrical and electronic engineering, computers science and related fields.

By IEEE Thailand Section, the TENCON 2014 was organized in Bangkok, Thailand, during 22-25 October 2014 at Shangri-La hotel. 488 papers from 22 countries were submitted to 14 technical tracks. The majorities were from India (209), Thailand (124) and Japan (30). The top five dominant tracks were: Power & Energy (118), Wireless Communication & Networks (54), Circuit & Systems (51), Signal/Image Processing (51), Robotics, and Control System & Theory (27). The conference was organized in 4 full days, ran in 6 parallel rooms. There were 67 sessions in total. At the final state, 286 papers were presented and the total number of participants is about 310. The acceptant rate of 65% can confirm well the paper quality as well as the seriousness of purpose of the technical program committee.

Several R10's activities were also integrated in to the TENCON2014. They were: TISP (Teacher in Service Program) workshop organized by Supavadee Aramvith and Ranjit Nair, R10 forum organized by Elmer Dadios, WIE special track organized by Tubtim Angkeaw and Takako hashimoto, Panel talk on Industrial role and linkage organized by Ekachai Leelarasmee and Ravikiran Annaswamy. The conference participants also had enjoyed 4

distinguish keynote speakers who are: Toshio Fukuda (IEEE R10 Director), Wanlop Surakampontorn (THAIST, Ministry of Science, Thailand), Eryk Dutkiewicz (Macquarie University, Australia) and Jamal Deen (McMaster University, Hamilton, Canada).

Five (5) best paper awards (including 2 student best paper awards) were given to those authors who have made their paper excellent. The conference also had a good chance to welcome the president Michel Howard.

(*Left to Right:* Kukjin Chun, Takatoshi Minami, Ekachai Leelarasmee, Toshio Fukuda, Suwat Chewchanchai, Jamal Deen, Michel Howard, Somsak Choomchuay (General Chair), Chuwong Pongchareonpanich, Kosin Chamnongthai)

Somsak Choomchuay,
IEEE Thailand Section

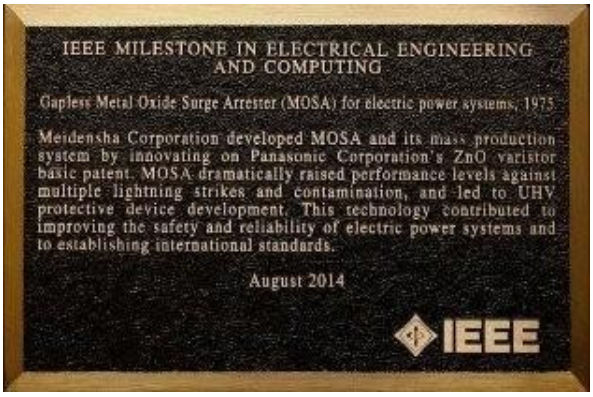
IEEE Tokyo Section: IEEE Milestone in Electrical Engineering and Computing

The Dedication Ceremony of IEEE Milestone for Gapless Metal Oxide Surge Arrester (MOSA) for electric power systems was held on August 18th, 2014, at Grand Prince Hotel New Takanawa, Tokyo, Japan. It was approved as an IEEE Milestone on November 24th, 2013. 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. Yuji Hamasaki, President, Meidensha Corporation.

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.

Gapless Metal Oxide Surge Arrester (MOSA) for electric power systems is the 22nd Japanese milestone. After the Dedication Ceremony and the celebration lunch party, the lecture session entitled "IEEE Milestone Memorial Lecture'' was held at Grand Prince Hotel New Takanawa, Tokyo, Japan with 80 participants. To start, Prof. Isao Shirakawa, IEEE Japan Council History Committee Chair, gave an introductory talk on IEEE Milestone. Second lecture entitled "Birth of Gapless Metal Oxide Surge Arrester (MOSA) and its Business Development Activities in Formatives Years'' was presented by Mr. Misao Kobayashi. The last lecture entitled "Technologies Trend of Metal Oxide Surge Arrester'' was presented by Mr. Masayuki Takada.

Prof. J. Roberto de Marca, IEEE President and CEO, presented commemorative plaques to Mr. Yuji Hamasaki, President, Meidensha Corporation.



Citation

Dr. Haruko Kawahigashi
Chair, IEEE Tokyo Section Publications Committee

IEEE UP Section:
2014 3rd ICRITO

Amity Institute of Information Technology, Amity University Uttar Pradesh had organized 2014 3rd International Conference on Reliability, Infocom Technology and Optimization (ICRITO) (Trends and Future Directions) during Oct 8-10, 2014 at Amity University Uttar Pradesh, Noida, India. Conference is technically co-sponsored by IEEE UP Section. It was attended by participants from India, USA, Japan, UK, Italy, Taiwan, Malaysia, Oman, Nigeria, Bangladesh and Saudi Arabia.

Inaugural Function (Oct 8, 2014)

Conference was inaugurated on Oct 8, 2014 by Chief Guest Prof. S N Singh, Chairman, IEEE UP Section and Chair Professor, Dept. of Electrical Engineering, IIT Kanpur, Guest of Honor Sh. R K Chauhan, General Manager, Engineering (P&S), NTPC and Hon'ble Vice-Chancellor of AUUP, Prof.(Dr.) Balvinder Shukla and General Chair, Prof. Sunil K Khatri.

Conference had Keynote address/Invited Talks by Prof. Hoang Pham, Rutgers University, USA; Prof. Shigeru Yamada, Tottori University, Japan; Prof. Abdennour El Rhalibi, School of Computing and Mathematical Sciences, UK; Professor Paolo Ciancarini, Università di Bologna, Italy; Prof. P K Kapur, Amity University UP, Noida; Prof. Pao-Ann Hsiung, National Chung Cheng University, Chiayi, Taiwan; Prof. Durgesh Mishra, Chairman, Division – IV, CSI, India; Prof. Yoshinobu

Tamura, Yamaguchi University, Japan; Dr. Aladdin Ayesh, De Montfort University, UK; Mr. Manoj K Gupta, President & CEO, PMI North India Chapter, New Delhi, India; Prof. K. Muralidharan, The MS University of Baroda, India; Prof. Brijesh Kumar, Lingaya's GVKS Institute of Management & Technology, Faridabad; Prof. C K Jaggi, University of Delhi, Delhi, India; Prof. M U Bokhari, Aligarh Muslim University, Aligarh, India; Dr. Ashwani Kush, University College, Kurukshetra, India; Mr. Anuj Agarwal, Chairman, CSI Noida Chapter and Mr. Bimal K Kesh, Cubic Quality.

There was a panel discussion on Emerging Cyber Security Threats on Oct 9, 2014. Mr. S D Mishra, DCP-EOW, Delhi Police; Dr. Zahid Husain Khan, Honorary Advisor, FTK Center for IT, JMI, New Delhi; Mr. S P Arya, CIO-Amtek & President CIOs of India; Mr. Vinayak Godse, Director- DSCI, New Delhi and Mr. Deepak Sahu, Founder & MD, Kalinga, Digital Media Pvt. Ltd were panelists. Dr. J S Sodhi, CIO-Amity Group and Director-CCFIS moderated the session.

In the Conference, 573 papers were submitted of which 153 were accepted for the conference. There were eighteen parallel sessions during three days of the conference. The conference had tracks on Reliability Engineering, Network Technologies, Artificial Intelligence, Soft Computing Techniques, MANET Technologies, Image Processing Techniques, Web Engineering, Safety and Risk Analysis, Data Processing, Software Engineering Trends, Cloud Computing, Mathematical Modeling, Quality Management and Optimization.

On 2nd Day of the Conference, there was a Cultural evening wherein students of AIIT have presented music and dance for the delegates. It was followed by Conference Dinner.

Valedictory Function (Oct 10, 2014)

Guest of Honour Sh. Anurag Batra, Chairman, Business World and Founder President, Amity Education Group, Chairman, AKC Group of Companies and Patron-in-Chief, ICRITO'2014 Dr. Ashok K Chauhan distributed the awards for best papers in each track during the Valedictory Session held on Oct 10, 2014 at 4:30 pm.

Prof. Hoang Pham, Distinguished Professor, Department of Industrial and Systems Engineering, Rutgers University, NJ, USA was conferred the Honorary Professorship in AIIT in the area of Software Reliability Engineering.


Prof. Hoang Pham receiving Honorary Professorship

Prof. Sunil Kumar Khatri
General Chair, ICRITO'2014
Director, AIIT, a Amity University Uttar Pradesh, Noida, India

IEEE R10 Student Branches News & Highlights

IEEE SB, Binus: ChairIndonesia Student Congress 2014, Bina Nusantara University

IEEE Indonesia Student Congress (ISC) is a national scale event that is held every year. In this event, the entire IEEE Student Branch in Indonesia gathered to discuss and talk about the latest trends in technology. Besides, this event also opens up chances for IEEE student member to pave a network with IEEE Professional Member. In this year, the IEEE SB Binus gets a chance to hold the IEEE 2014 ISC.it is an honor for SB Binus as it can hold a national scale annual congress event. On this occasion we chose Binus Square - Hall Of Residence as the lodgings and venue of the event. This event took place on 10-12 July 2014 and participated by various students either the IEEE student members or prospective members from UI, UGM, Telkom University, ITS, UNDIP, unud and Binus.

The first day preceded by opening ceremony which contains speech from Gregory Alexander, chairman of the committee as well as IEEE SB Binus, then proceed with welcome speech from Mr. Kuncoro Wastuwibowo, Ir. MSc. as Chair of the IEEE Indonesia Section, and continue with the last welcome speech from Mr. H Kartowisastro, Ph.D.as well as opening ISC 2014 symbolically by wearing name tag on participants.

After inauguration and break, the event is continued with IEEE session that is brought by Mr. Dr, I. Wayan Mustika. He is the Student Activity Committee of IEEE Indonesia Section, and also became counselor of IEEE SB UGM. The session described more about IEEE as well as Organizational Structure of IEEE Indonesia Section. In this session also explained about easier student member registration mechanism, and also benefit and usage that can be obtained when becoming a member. This session is very good because there is also a prospective member who wants to join a student member.

Welcome Speech from Iman Herwidiana Kartowisastro, PhD (Binus Vice Rector for Academic)

After IEEE session, there is prayer and lunch break, then continued with Full Pakcage student check-in and IEEE Student Branch Sharing Session. Here, each student branch presents activity result for the past one year and plan for one year ahead. This session also gives an overview to each student branch to add plan for upcoming work plan, and even to incite the desire to conduct event together with other student branch. This session also become an overview for student branch which is going to be newly established, UNUD and UNDIP.

After student branch sharing session, the next session is the first of serial Open Seminar brought by Mr. Rianto Kurniawan from PT. Next Wave Generation with the topic “Evolution of Cellular Signaling Communication”. This seminar tells about cellular communication signaling system which is in used from the beginning, until now. After that, there is a prayer break for 15 minutes and continued with the second Open Seminar which is brought by Prof Suhono Harso Supangkat from ITB and peers from C-Gen. This Open Seminar title is “Connected Generation”. This tells about how to create an inter-connected generation. Here is also explained about how a role of technology

can change a moral or habit. The first day is ended with a dinner together and going back to own lodgings.

The second day is started with "sahur bersama" on 3AM, and continues at 9AM with the third open seminar which is brought by Mr. Gunawan Lukito who is Marketing Director of Oracle Indonesia. This session title is "Customer Experience Telecommunication Industry". This session explain how important Customer Experience is in industry field especially telecommunication. This is carry on to the last Open Seminar which is "Product Service System to increase competitiveness of product" by Mrs. TanikaSofianti from SGU. In this session, it is explained how to increase the competitiveness of product from what have been made. And then Open Seminar is continue on with a break.

After break, the second day event is carry on with City Tour to TMII where the initial plan is to go to IPTEK museum but it was closed when participants arrived there. Hence the event is continued with going to "Museum serangga" and "Museum transportasi". After getting around these 2 museums for quite a long time, evening is approaching which is going to be fast breaking soon. City tour is continued with dinner together at a well-known restaurant. After that, participants go back to the lodgings.

The third day is started with "sahur bersama" again and the closing event is continued on 9AM. The closing ceremony can be considered to be informal as it only openasession for criticism and suggestions for upcoming time and give out impression and message from each participant. The event is continued with photo session and distribution of certificate along with goodie bag. At 12 the participants went back. Perhaps 3 days are quite short, however in those 3 days, we got several new things. Starting from new friends, new experiences, getting to know the speakers and professional member and other new things that might not be able to be mentioned one by one. But this also can't be separated from the support of the Department of Computer Engineering Binus University and IEEE Indonesia section, which certainly has helped us, the IEEE SB BINUS in making this event.

Gregory Alexander Korompis
IEEE Student Binus Branch Chair

Closing

IEEE SB, Gujarat:
Workshop on National Ethical Hacking Workshop and Championship 2014

A two-day workshop on National Ethical Hacking and Championship 2014 in association with TechBharat Consulting (AIESEC IIT Delhi) and IEEE Student Branch UVPCE was organized by Deptt. of Computer Engineering and Information Technology, U V Patel College of Engineering on 28th and 29th Sept 2014 through support of Dr. P H Shah(Principal), Prof. Kirit Modi (IEEE Branch Counsellor), Dr. Kiran Amin, HOD (CE), Prof. Rakesh Vanzara HOD (IT) and Prof. Ketan Srevakar(IT).

The objective of the workshop was to make the students aware about Ethical Hacking techniques and how to make them beneficial in day to day life.

The experts from Tech Bharat Consulting had delivered informative and interesting sessions. More than 100 students from CE, IT, EC and ME branch had participated in the Workshop.

During the first day students enriched their theoretical as well as practical concepts through delivered lectures and by doing hand to hand practicals on their laptops. Students were given Live hacking tutorials. Second day of event had covered some Advanced Hacking Techniques which included SQL injections, coding for Admin Logins etc.

Prof. Kirit Modi (IEEE Branch counsellor), shared his experience that, it is the great workshop in the field of Information security. It helps lots of students and staff to enhance their knowledge. Again these experts who come for workshop are really knowledgeable. They concentrate on each participant and make workshop more interesting. I am thankful to IEEE UVPCE Student branch team for arranging such nice workshops.

Mr. Vivek, an IEEE student chair, shared his view that "This is the kick-starting workshop of this academic year-2014. It is a 2-days workshop, which goes on for 8 hours a day. Our aim is that to increase awareness as well as knowledge about information security among the engineering students"

As a Branch Counsellor, I would like share some views shared by participants as follows:

"It was a nice learning experience for us to see live demonstration of Computer Hacking which includes Email Hacking & tracing and Forensics, Trojan and Backdoors, Google Hacking, Computer Hacking and Forensics, Sniffers, Session Hijacking, Social Engineering, Website Hacking & Security, Advanced SQL Injection, Penetration testing with Backtrack."

"Course material that includes Presentation PDF, eBooks, KALI OS were really superb."

Overall it was a knowledge sharing event and was beneficial for all the students and they demanded that more workshops should be organized at National Level.

Finally, all students received participation certificates from TechBharat Consulting (AIESEC IIT Delhi) and IEEE Student Branch UVPCE. Gujarat, India..

IEEE SB Isra, Pakistan:
Student Conference on Engineering Sciences & Technology (SCONEST) 2014

"Inculcate the culture of research and innovation among the students" – Scientist Says

Student Conference on Engineering Sciences and Technology (SCONEST) 2014 was held on 13 September, 2014 at Isra University, Hyderabad, Sindh, Pakistan, under the banner of IEEE International. IEEE Isra Student Branch, Hyderabad, Sindh, Pakistan had organized this conference. SCONEST is the most vital series of Research paper competition from Institute of Electrical and Electronics Engineers (IEEE) International, to introduce new scientists and Engineers with the field of purposeful and scientific research. It is held every year in different universities across Pakistan as it is a national level event.

The conference was attended by nearly 350 students. 75 research papers on different

areas/topics were submitted in initial stage out of which 30 research papers were shortlisted to be presented at SCONEST 2014. The top three research papers were selected and sent to be published at a research journal of IEEE International. The researchers were mostly from the cities of Lahore, Peshawar, Rawalpindi, Faisalabad, Islamabad, Khairpur, Nawabshah, Swabi, Karachi, Jamshoro and Hyderabad.

In the opening ceremony the chief guest Prof. Dr. Mujeeb-uddin Sahrai Memon, Vice Chancellor, Sindh Agriculture University, Tandojam, Sindh, Pakistan spoke on the occasion and encouraged the participants to participate in these conferences and highlighted the art of research, and said that informative conferences like these are very useful for the research &development of innovative students. He also congratulated the organizing committee of SCONEST 2014, IEEE Isra Student Branch, for organizing such a successful national level conference at Isra University, Hyderabad, Sindh, Pakistan.

Dr. Mujeeb-uddin Sahrai Memon, Chief Guest, being decorated by Prof. Dr. Hameedullah Kazi, Chair, SCONEST 2014!

Prof. Dr. Hameedullah Kazi, Chair, SCONEST 2014, Head of Executive Council, IEEE Isra Student Branch and Pro-Vice Chancellor (Engineering and Management Sciences), Isra University, Sindh, Pakistan welcomed the authors, dignitaries, guests and participants. He said the basic aim of this conference is to inculcate the culture of research and innovation among the students and to utilize the intellect of these young minds in fostering technological advancement.

In the closing ceremony Prof. Dr. A. G. Kazi, Pro-Vice Chancellor (Health Sciences), Isra University, Hyderabad, Sindh, Pakistan, was the chief guest. Dr. Kazi presented awards and shields to the organizers and the authors. The top three paper presenters were awarded with shields and cash prizes.

In the paper presentation sessions authors from different universities presented their research work. The areas include Electrical, Electronics, Telecommunication, Civil, Mechanical, Computer Science, Software Engineering and IT. SCONEST 2014 was sponsored by Isra University, Higher Education Commission of Pakistan (HEC), IEEE Karachi Section and RASTEK Technologies.

The Organizers of SCONEST 2014 – IEEE Isra Student Branch!

Dr. Kazi, Hameedullah
Head of Executive Council,
IEEE Isra Student Branch Pakistan

IEEE SB MEPCO Schlenk Engineering College: ALTAIR, celebration IEEE DAY

ALTAIR was conducted on October 6th, 2014 by our student branch office bearers(of engineering second year). It was an event open to all students of our college. This event is conducted as part of celebration IEEE DAY 2014

The objective of the event was to judge the students based on their problem solving ability, vocabulary and concentration power and to pick

out the personalities extraordinaire who could be handed the certificate as winners of this event.

The event started at 4:45 pm, by our student branch chairperson Mr. Kiruba Sankar giving a general idea about the event and wishing the students luck.

The participants where split into five teams. All the five rounds were team events. They were conducted to judge how the participants worked as a team. The first round was "identifying the personality", conducted by Mr. Rakeesh, where the volunteers from the team are alone displayed with the famous personalities photography and co-team mates are asked to guess the personalities by asking "yes or no" type questions. This paved way for the participants to ask as much questions and analyse themselves regarding the familiarity of the personalities. Only two teams guessed the personalities correctly.

Students During The event

The following round was an "aptitude questions" round, conducted by our office bearer Mr. Abhilash, where each team has to answer correctly to the questions displayed over the slide. This round tested the aptitude knowledge of the participants. All came out with various guesses. The next round was "Brain Storm", conducted by Mr. T. Arun Vikas where questions were asked to test the English knowledge of the participants. The questions were quiet logical which tested the answering ability of them. Only three teams came up with the answers. The fourth round was conducted by Ms. Priyavrshini. It was entirely a different task to make the participants to get a quick recap of the various software companies, banks, cell phone brands, car brands, websites, capitals etc. by means of clipart. There was about 10 clipart for each package. All teams worked with collaboration, and came out with spontaneous answers. Next, round five, conducted Ms. Shembaga Sooriya, consisted of questions from mathematical base which twisted the brains of participants!! Only two teams answered correctly. The final round was a Video round conducted by Ms. Bala Meenakshi. During this round the participants were shown a video clip and at the end they were thrown with five questions from nook corner of the video. It tested the concentration and memory power of the participants. Only one team answered all the questions.

The event got over by 6.15pm. The winners and runners were selected based on their performance and total marks at the end of each round.

IEEE 1 Participants during the event

M. Kiruba Sankar
Chair, IEEE MEPCO Schlenk Engineering College

IEEE RUET Student Branch Celebration of IEEE Day

IEEE Day is celebrated this year on October 7 and for this, IEEE RUET Student Branch has taken its initiative to make this day livelier for the engineering students. Our Branch has organized a technology based competition among all the engineering students of Bangladesh. The competition was to write on the "Latest inventions in Technology and its impact on our near future

life". From selected top 12 writings, three of them were declared winners. Our event was pinned in the event map of IEEE Day website. We also participated in IEEE Day photo contest.

Md. Aliullah Sujan
Chair, IEEE RUET Student Branch

IEEE SB, SREC: "PHOTON 2014"

The IEEE Student Branch of Sri Ramakrishna Engineering College conducted a one day intra-college event on September 23, 2014 named "PHOTON 2014", for the occasion of IEEE Day Event. Various events were organized by the IEEE Student members containing both technical and non-technical events. The events were Engineer's Eye, Idea Vetting, Code Rush, Talkathon, Quizzle, Q 20, Routeapp, and The Neurotrix Trilogy (TNT). The event was inaugurated by Dr. N. R. Alamelu, Principal, Sri Ramakrishna Engineering College, Coimbatore and the Opening remark was given by Mr. K. Balamurugan, IEEE Student Branch Counselor.

Engineer's Eye turned out to be an event that facilitated the participant to explore and execute their knowledge in circuits. The participants were tested for their understanding in basic scientific phenomenon, those which undeniably contribute to the world of engineering. Through this we gave them a platform to prove they are hard core engineers, thus justifying the very name of this event- "Engineer's Eye". The event titled "Idea Vetting" is aimed at developing the listening skills of the participants and also increases their ability to understand, react and handle a situation innovatively. "Quizzle" was a combination of the classic Quiz and Connections. The important skill-developing aims were: Development of keen and sharp observational and thinking abilities and development of inter and intra personal skills and knowledge of the outside world.

In "The Neurotrix Trilogy", the aim of the team was to make this event a fun filled and skill developing one. It consists of three rounds – Cross lines, Burn it Brains and Riddlix. Around 350 students participated from circuit and non-circuit branches. The winners were awarded with cash prize and certificate during the valedictory function, presided by Mr. P. Sebastian Vindro Jude and Mr. C. S. Ajai Kumar, SB Chairperson proposed the vote of thanks.

K. Balamurugan
Counselor,
IEEE SB, Sri Ramakrishna Engineering College

IEEE SB UPM: IEEE CASS Outreach Initiatives 2014 – Summer School on IC Design & Test

This 4 days outreach initiative gave an opportunity to participants to learn and explore IC Design & Test subjects in more fun and attractive ways at University Putra Malaysia (UPM). It is targeted to give a better overview and learning experience to the participants who are keen to know more about microelectronics field. The theme for this year is operational amplifier. Registered participants of the summer school comprised of 42 undergraduate and postgraduate students from UPM, University

Sains Malaysia, University Kebangsaan Malaysia, University Tenaga Nasional, University of Nottingham and University Malaysia Sabah. Students from electrical & electronic engineering program as well as from faculty of science majoring in instrumentation at department of physics also participated in the event. This year the summer school was organised by IEEE Student Branch UPM and IEEE CAS Malaysia Chapter.

During the event, eight speakers from University Putra Malaysia, University Teknologi Petronas, Texas Instruments Malaysia, Intel Malaysia, MIMOS and Teradyne Malaysia were invited to give a 2-hours talk on various topics that are related to an operational amplifier. On the first day of the summer school (25th August 2014), participants were introduced to IC Design, IC Manufacturing Automation and IC Test and Characterization of which they were briefed on the career opportunities at each stage of the IC semiconductor flow. On the second day of the event, participants were introduced to basic principles of sensor and operational amplifier where the applications of op-amps were highlighted i.e. in amplifying small analogue signal from a sensor. Then, the participants were given opportunity to run experiments on ASLK-Pro boards donated by Texas Instruments Malaysia. On the third day of the event, basic principles of analog to digital converter (ADC) were presented where the use of op-amp blocks in ADC circuit design was highlighted in several different architectures. In the evening, the participants joined UPM Edupark Tour where they visited Dairy Farm, Deer Farm and Horse Ranch owned by Faculty of Veterinary Medicine of UPM. On the last day of the event, participants were introduced to basic circuit blocks of an op-amp design plus its related research work and techniques to test op-amp parameters using automatic test equipment. The closing ceremony was held at L'Apprenti@Restaurant, UPM where certificates of participation were given to all participants.

More detail of the event: http://cas.ieeemy.org , https://www.facebook.com/UPM.IEEESB

Group photo of the participants of Summer School on IC Design & Test 2014

Noor Ain Kamsani
Counselor, IEEE SB University Putra Malaysia
Secretary, IEEE CASS Malaysia

IEEE SB, UUM: Educational Outreach Program: Celebrating IEEE Day with Orphans

The lack of parental guidance, support, and tender loving care available to orphans may affect their practical thinking towards their future. Local communities have an important role in helping to empower orphans towards a grassroots improvement.

The University Utara Malaysia (UUM) IEEE Student Branch took an initiative and organized a one-day educational outreach program for orphans. The program took place on 28th September 2014 at UUM Sintok campus, aimed to inspire orphans in their future educational undertakings and various other aspects of life. This program also meant to create awareness on the orphans' needs among the local IEEE student members and so that they can contribute towards meeting these needs in the future.

A total of 28 orphans and three admin staff from the orphanage home of ***Pertubuhan Kebajikan Anak Yatim Perlis Kompleks Penyayang Tun Dr. Siti Hasmah,*** 35 local IEEE students/graduate Students member and ten academic staff from UUM participated in this event. The IEEE UUM Student Branch team was led by Dr. Adib M. Monzer Habbal (IEEE Student Branch Counselor and event leader) and include a group of doctoral researchers namely Mohammed Alsamman, Abdullahi Ibrahim, Shivaleela Arlimatti, Walid Elbreiki, Atheer Flayh Hassan, Raaid Alubady, Sushank Chaudhary, Rafid Sagban, and Swetha Goudar.

The program was officiated by the Dean of UUM School of Computing, Assoc. Prof. Dr. Huda binti Hj Ibrahim. The Dean welcomed and advised the orphans on how to think about their future and life. Dr. Huda also commended the efforts of the IEEE UUM Student Branch for organizing the event in UUM.

The orphanage representative Ms. Norfairuzliza Johari thanked the IEEE Student Branch for the effort and mentioned that they had engaged with Dr. Adib Habbal since May to bring the event into reality. "Bringing the kids to UUM and provide them with the opportunity to communicate with faculty members and local and international students are indeed very unique opportunity", she added.

The one-day program comprised of many activities including motivational talks, a visit to UUM Library and the UUM Welcome Center, a counseling session and group discussions, games, and other social activities.

At the social event, Dr. Adib Habbal expressed his happiness to bring the smile to orphans during this program. He then invited everyone to the stage to celebrate IEEE Day and cut the cake together. The event came to a close with happy moments and photos shared among the IEEE UUM Students Members and the visitors.

In conclusion, the IEEE UUM Students Branch wishes to thank the entire staff and students of the orphanage center, IEEE Region 10 EA and IEEE Malaysia Section, the UUM School of Computing, UUM CAS Student and Alumni Department, DPP Maybank, UUM Welcome Center, UUM Library and all who have supported to the successful hosting and completion of this event.

Dr. Adib M. Monzer Habbal,
UUM Student Branch Counselor,
University Utara Malaysia

WIE Affinity-Group News & Highlights

IEEE WIE CEME: STAR Project in Rawalpindi, Pakistan

The IEEE WIE CEME Branch conducted their Student-Teacher and Research Engineer/Scientist (STAR) program in November, 2014 in Rawalpindi, Pakistan. The team (Tabinda Ashraf, Alya Aziz, Nida Maryam, Zainab Shaukat and Atiya Nisar) aimed at encouraging female students to pursue their interests in the fields of engineering, sciences and mathematics.

The team started with a brief introduction to IEEE WIE and the STAR project. They asked different questions about the academics and field of interest. As expected, very few answered sciences or engineering. When asked the reason, a majority of them replied that they found the sciences boring or that the working conditions were not suitable for women.

Next, the team chose the area of logic gates. They had taken with them a simple circuit composed of logic gates (a topic that was a part of their curriculum) and LEDs. The team proved different cases of truth tables. Students were given the

components and were told to build their own circuits. The activity aimed at showing the girls that the knowledge in the books can be proven in real life. The girls took great interest in this activity and were able to build their own circuits by the end.

The second activity was linked to the first one and intended to portray the advancement in technology today. The team had taken with them a few PCB boards that were shown to the students and told them that the circuits they built on the breadboards were now built on a chip smaller in size than their finger nail. The students were very much intrigued by this fact.

The next activity was planned to emphasize upon the importance of team work. The class was distributed in groups and was given a set of crosswords that they had to work out with the help of their team members. WIE souvenirs were given to the winners.

The students were shown videos of women engineers in their work places. The team briefed them about how the myth that engineering and sciences is not a career option for women was shattered. This was followed by an interactive session in which girls spoke about their dream job and work conditions. The team shared their personal experiences as students of engineering.

The coverage of the session (courtesy: EME Media Club) can be found here: https://www.facebook.com/media/set/?set=a.782097595170498.1073742008.486596801387247&type=1

Students enjoyed the hands-on activities the most

IEEE WIE CEME- STAR Team

Daniya Asim
Chair WIE- IEEE CEME Student Branch

IEEE WIE GIKI: STAR PROJECT

The IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program was developed to address the growing concern that, at a young age, girls are discouraged from careers in mathematics, science, and engineering.
This educational outreach program promotes involvement of IEEE members with local junior high and high schools in order to create a positive image of engineering careers.

Through a one-to-one interaction between society volunteers and a Student-Teacher Team, STAR's aim is to create a technical support network for teachers and a mentoring program for students.
WIE GIKI Student Branch in collaboration with IEEE GIKI SB made its first visit and the venue chosen was the GIK School. Approximately forty girls were made part of this program. First of all, two inspirational videos were shown then the activity started. A session was conducted, divided into two parts.

In the first part, the girls were asked to make a rough sketch of a scientist and they were to also name that sketch. There, 2 out of 40 girls actually named their scientist to be a “girl”; a perception that needs to be changed, the true aim of the STAR program.

In the second part of the interactive session, each and every girl shared her own ideas about what she wanted herself to be once she had grown up. The session highly encouraged the young women to speak for themselves without thinking of any parents'/relatives' pressure involved in their choices.

WIE Chair(centre) with a few members of IEEE GIKI SB after the session at GIKI School

At the end, the girls were informed of the great things that women had done in the past, are doing at present and can or will do in the future. The young women were motivated and inspired by this session conducted and the 2 girls, that had had the perception, proudly introduced their sketches as a scientist (and not a girl) that helped mankind. IEEE goodies were also given out to the 5 most participative students.

Ashaa Naveed
Chair WIE – IEEE GIKI Chapter

IEEE WIE MAJU: WIE STAR Project

W.I.E STAR Project is an initiative to induce knowledge about engineering and technology in young school girls, because of lack of women representation in the field of engineering and technology in Pakistan this project was started. To conduct STAR project sessions WIE-MAJU AG visited 3 schools in seven days, over 150 female students participated in these sessions and the project was a huge success.

The project was led by Ms. Misbah Ijaz Chairperson WIE-M.A.J.U AG and Ms. Marvi Islam Vice-Chairperson WIE-M.A.J.U AG, Other team members were Mr. Mohammad Zain , Ms. Samina Khan, Mr. Junaid Mukhtar and Mr. Moiz Chaudhary.

On November 18th, 2014, our team visited "Science Model School." The main session was conducted by Ms. Marvi Islam. For the icebreaking ceremony we asked the students about their aims in life? At first we discussed about the "Gender disparity" in our country and how can we end it by education and followed by how can technology be helpful in paving the way to success. Afterwards we talked about IEEE and WIE forum. The session lasted for almost an hour after which healthy question and answers took place and we were successful in convincing a bunch of students to go for engineering in future. Our team visited the second school on November 21st, 2014 as the students were already in a very relaxed mood so we decided to skip the icebreaking ceremony and directly hit the target. This session was mostly about the reason for the illiteracy of women and their solutions. Salient points in our list were: Orthodox thinking, Fear of extremists, Poverty and Gender discrimination. These are the main reasons due to which women are unable to get education and play a role in the nation building in Pakistan.

On November 22nd, 2014 our team visited Jinnah Preparatory School. The students who visited were: The session was mainly conducted by Marvi Islam and Muhammad Zain for icebreaking we had a story game, each student had to add a sentence and

completed the story. This eased up the environment and the students felt comfortable enough to ask us things quite frankly. In the introductory slide, there was brief information about I.E.E.E and its Affinity groups, and then there was the focus on women and the hardships faced by them regarding education, further we discussed about the importance of technology in our lives and how women have proven their worth in the field of engineering. As a source of motivation we took a robot along with us to show the students what is basically done in engineering and also showed them a video about the functioning of the robot.

At the end of a successful session, Ex-Com members of WIE-M.A.J.U (left Misbah ejaz Chairperson WIE-M.A.J.U AG, (center) Samina Khan Treasure Head WIE-M.A.J.U AG (right) Marvi Islam Vice-Chairperson WIE-M.A.J.U AG

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While delivering a session at Jinnah preparatory school.

Marvi Islam
Vice-Chairperson
IEEE Islamabad Section

WIE Affinity Group MEPCO Schlenk Engineering College SB- September 2014: Neurung- State Level Android Workshop

Neurung'14 – One Day State level workshop on Android Applications, Jointly organized by IEEE STB -29861, CSI Student Branch and WIE (Women In Engineering) Affinity Group of MEPCO Schlenk Engineering College on 27th September 2014.The event started when we got the official approval for this workshop from IEEE (USA) headquarters, Neurung'14 is an IEEE approved workshop and a certified IEEE Day Event. This workshop is conducted by the trainer Mr. Chandrasekaran, Technical Lead, ACENSCO Technical Solution Pvt. Ltd. Chennai.

The main objective of this workshop was to make the participants aware of the essentials for Android Application Development and to get comprehensive knowledge about the blooming Android application Industry.

The event actually started when the website for Neurung was launched and the students enthusiastically registered for the workshop online. On the day of the workshop, the event set out with the inaugural, in which Mr. Gem karthikeyan, Chair Person of CSI student branch welcomed the gathering, which was followed by the lighting of the ceremonial lamp by all the dignitaries on the Diaz. This was followed by the inspiring presidential address delivered by Dr. Jeyashankar, HOD/EEE department. This session was followed by fifteen minutes tea break. After Ms. Harini, Office bearer IEEE, introduced the trainer, the stage was set for Mr. Chandrasekaran chinnasamy to share his vast experience with the participants. In the First session, Mr. Chandrasekaran briefed the students about Android, its history and growth. Then he went on to describe about the essentials of Android App development, about the role of OOPS and JAVA in Android and then he introduced the Android development environment and the various tools used. He also introduced concepts of Enterprise resource planning, Enterprise mobility and market research on enterprise mobility. He also provided information on the slew of mobile android apps that are now dominating the world market.

The afternoon session started right after lunch, at 2pm with Mr. Chandrasekaran engaging the session. The session covered the various user interfaces for Android apps and about connecting databases with the application and how to implement database connectivity. The next half of the session was dedicated to the telephony APIs in Android. Security is an important aspect in today's cyber world. This was stressed by Mr. Chandrasekaran as he discussed the various security models in Android. It was time to demonstrate all that was shared and Mr. Chandrasekaran demonstrated the development of an Emergency calling application live. The workshop concluded with the valedictory. Mr Kirubha Shankar, IEEE STB Chairperson delivered the highlights of the workshop. Then certificates were distributed to the participants by both the trainers and our branch counsellors. Finally, Mr. C. Kalyanasundaram, IEEE STD Branch counsellor delivered the vote of thanks and yet another informative workshop concluded with a tribute to our Nation.

Many college students were really enthused about the workshop and the registrations had flowed in. All the students were benefitted from the workshop, it clearly showed in their feedback where they profusely thanked the trainers for the session and appreciated the student branches for organising the workshop. It has really motivated us to come up with more such inspiring events.

Inaugural Ceremony of Neurung '14

Ms.G.Harini
CHAIR, WIE Affinity group MEPCO Schlenk Engineering College

IEEE SEECS WIE Student Branch: The STAR Program

This year WIE- SEECS Chapter stepping into the world of WIE-IEEE didn't stay behind in participating in STAR Program as well. This wonderful program was held in the hospitality of Islamabad College for Girls, Sector F-6/2, Islamabad on 25th November 2014. The Acting Chair (also the Vice Chair WIE-SEECS), Mehak Saeed, took the initiative and brought home the regional level participation of her student branch under the supervision of Maryam Saeed, WIE Islamabad Section Coordinator, and Mehak Saeed, Ayesha Rehman and Ramish Fatima volunteered for this program. The target were girls of grade 8th ,who are in their critical stage of selecting either science or arts in their grade 9. More than 60 participants attended the session. The time span of this activity was one hour.

The IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program was developed to address the growing concern that, at a young age, girls are discouraged from careers in mathematics, science, and engineering. This educational outreach program promotes involvement of IEEE members with local junior high and high schools in order to create a positive image of engineering careers.


8th Graders receiving WIE magazines as souvenirs for their participation in Quiz regarding different fields of Engineering

The session was conducted with around 55-60 girls from 8th grade. The session started with a puzzle solving activity. WIE puzzles were handed to the students to solve in a group of 2-3 students. Those

who finished the earliest were awarded with WIE souvenirs followed by an introduction of WIE. The purpose of this activity was to introduce them with what is WIE. After that we held an introductory session where we gave a brief introduction of ourselves, our society and then our reason for visiting. We then held an interactive session where we asked the students to define engineering and different fields of engineering. For this purpose, A name of engineering field was written on board for e.g. Mechanical Engineering, and they were supposed to share what comes to their mind on hearing this term. The students who gave the correct answers were again awarded with WIE souvenirs and those who didn't know even a bit of it were encouraged to try and were awarded with WIE magazines as token of appreciation for the attempt so that they may read it and get to know more about what engineering promises women in this field. Another session composed of details about Engineering Projects, Engineers in demand, and Engineers with promising future was held.

After that students were given some questionnaires to answer. Along with that we kept asking students about their knowledge of engineering and its fields, and giving them correct answers wherever they were wrong. In the end, we asked them to give us their feedback about the session. Then we concluded the session with a group photo and handing out of the rest of the souvenirs.

Students showing their enthusiasm through their participation

The Principal of the College appreciated our efforts and invited us to conduct further more sessions like this. The event was a success, with the response from those girls surpassing our expectations. The students shared their hope that the session would be conducted again.

Ramish Fatima
Team Lead-Marketing WIE SEECS

Mehak Saeed
Acting Chair WIE-SEECS

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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