IEEE Teacher In-Service Program (TISP) Training Workshop
The Study Conference room, Shangrila Hotel Bangkok
22nd October 2014

This workshop was held in conjunction with IEEE TENCON 2014. It enabled 51 participants from 11 countries (Cambodia, Laos, India, Japan, Malaysia, Myanmar, Philippines, Sri Lanka, Taiwan, Thailand and Vietnam) to:
(i) learn how to provide training to local primary and secondary school teachers of the use of engineering, design & technology lesson plans and hands-on activities in the classroom;
(ii) identify the challenges and opportunities in the local primary and secondary schools;
(iii) learn how to develop a partnership with the local primary and secondary school systems;
(iv) have the opportunity to network with other engineers and representatives from educators.

The Malaysia participants were Prof Mahamod Ismail, Norliza Mohd Noor, Zuhaina Zakaria, Dianne Cheong, Lee Yoot Khuan, and Syed Khaleel Ahmed. Dr Supavadee Aramvith, IEEE Region 10 EXCOM on Educational Activities Coordinator, briefed on “Understanding IEEE and its interest in Pre University Education”. Ranjit R. Nair, member of IEEE Educational Activities Board, facilitated the workshop with two hands-on “Working with Wind Energy” and “Critical Load”.

![Image of workshop participants]

![Image of wind energy product]

![Image of critical load product]
IEEE Malaysia Section, among other Asian countries, was invited to visit the Department of Electrical Engineering, Chulalongkorn University (CU) on 22nd October 2014, 14:30. CU, commonly abbreviated as Chula, is the oldest university under the Thai modern educational system. CU was founded in 1917 by King Vajiravudh who named it after his father, King Chulalongkorn. CU research clusters are energy, food & water, climate change, health, ageing society, advanced materials, human security, social development, ASEAN studies, and disaster management. The Faculty of Engineering, or popularly called “Wissawa Chula” by Thais, is one of the most widely regarded institutes that produce engineers and highly-educated engineering personnel for the nation for over 90 years. The research labs are mainly:

- High Voltage Research Laboratory (HVRL)
- Semiconductor Device Research Laboratory (SDRL)
- Power System Research Laboratory (PSRL)
- Telecommunications Systems Research Laboratory (TSRL)
- Power Electronics Research Laboratory (PERL)
- Control Systems Research Laboratory (CSRL)
- Integrated Circuit Design Application Research (IDAR)
- Industrial Instrumentation Research Laboratory (IIRL)
- Bioelectronics Research Laboratory (BERL)
- Digital Signal Processing Research Laboratory (DSPRL)
- Electromagnetic Research Laboratory (EMRL)
- Optoelectronics Research Laboratory (OERL)

Delegates from Asian countries

Undergraduates in a lab

Networking and dinner at CU cafeteria

Human security lab
The 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 projects; and to engage industry participation in the activities of higher education institutions. The event was hosted by IEEE UKM Student Branch in conjunction with IEEE Malaysia Student Congress. A 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 3-min video explaining their final year project. There were 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, and 8) Robotics and Automation. Evaluation for each track was evaluated by a panel comprising the industries and academics supported by the various IEEE Chapters in Malaysia. The competition attracted 178 participants from 27 universities in Malaysia. The winners were requested to showcase their final year project in A1 poster during the Symposium and to receive the prizes and certificates from IEEE Malaysia Section. The winners of each track received a prize money of RM300 (1st Prize), RM200 (2nd Prize), RM100 (3rd Prize) respectively, a plaque and a certificate. This Symposium was jointly conducted with the Malaysia Section, UKM 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).

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.
IEEE CPMT Malaysia has successfully organized the 36th International Electronics Manufacturing Technology (IEMT) at the Renaissance Johor Baru Hotel in the state of Johore from 11 to 13th Nov 2014. IEMT is the flagship conference from IEEE Santa Clara which CPMT Malaysia now hosts once every two years, alternating between Santa Clara and Malaysia.

This year, IEMT 2014 had a total of 9 keynotes, 5 short-courses and 4 parallel sessions (more than 80 technical papers & posters) covering latest technology and industry trend in electronics packaging and manufacturing technology. There was a panelist forum entitled “IoT: Roles of Packaging and Industry Trends” that touched on packaging cost, investment comparison of 18” wafer versus Panel/FOWLP, SiP versus SoC, and low-cost innovation.

Our keynote and short-course speakers were Prof CP Wong (Georgia Tech/ City University of Hong Kong), Prof Andrew Tay (National University of Singapore), Prof Simon Ang (University of Arkansas), Dr Rolf Aschenbrenner (Fraunhofer Institute for Reliability and Micro-integration Berlin (IZM), Dr John Xie (Altera), Dr. Knoblauch Andreas (Infineon), Dr Xavier Baraton (ST Microelectronics), Dr Koh Byeong Cheon (formerly Samsung), Dr Shubada (Intel), Dr Sandeep (Intel), Mr YK Sow (Intel) and Christian Burmer (Infineon).

IEMT 2014 was well received and attended by the local and international participants, 20 exhibitors and 50 companies with total participants of more than 400 people. We are looking to the next IEMT in 2016 at the beautiful island of Penang, Malaysia.- Kim Shyong Siow
IEEE CPMT chair

IEEE Xtreme competition 2014 – 8:00 18 Oct-8:00 19 Oct
Competition Hubs in Malaysia Section: USM, Curtin, UNMC, UPM, Swinburne.
Great news that USM has managed to make it to Top 100 in the world ranking, getting a prize! They are ranked 24 in R10 and No. 1 in Malaysia. The participants were very appreciative of the F&B sponsorship by IEEE Malaysia.
Yong Bang Ming,
IEEE Xtreme Ambassador 2014

Region 10 Operations Committee: Individual Benefits & Services Coordinator – Dr Norliza Mohd Noor
R10 Sub Student Representative, overseeing Japan, Australia, New Zealand, in addition to Malaysia.- Ester Ling
IEEE PES Chapter representative for R10 South-East (comprising Malaysia, Singapore, Indonesia, Thailand, Sri Lanka, Bangladesh, Islamabad.).- Dr Zuhaina Zakaria

Congratulations!
The opening ceremony comprised a lion dance and welcome speech by Tan Sri Dr. Ghauth Jasmon who was the general chair of IEEM2014. Among the audience was the esteemed Governor of Bank Negara, Tan Sri Zeti Akhtar Aziz. The conference attracted 300 participants.


Participants were provided with 4 subsidized tours: Kuala Lumpur City Orientation tour; Kuala Lumpur by Night; Countryside Tour; Technical Visit to PKT Logistics.

IEEE Technology Management Council (TMC) Malaysia Chapter was established on 4 September 2013. The first Annual General Meeting (AGM) for TMC Malaysia Chapter was held on 15 February 2014. In our first year of operation, we have successfully organized several events including an international conference (IEEE International Conference on Industrial Engineering and Engineering Management, IEEM 2014), technical talks, technical field trip and social events. In January 2015 TMC is transitioning to a Society: Technology and Engineering Management Society (TEMS). The creation of TEMS is a recognition of the importance of technology and engineering management.
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 Universiti 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, Attheer 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,
Universiti Utara Malaysia