R10 Director Visit to IEEE Malaysia Section

On the 10th of May 2016, IEEE Region 10 Director, Ramakrishna Kappagantu had a face-to-face meeting with IEEE Malaysia Section’s Executive Committee, Chapter Chairs and Student Activity Committee at Universiti Teknologi Malaysia (UTM) Kuala Lumpur. The meet was attended by 20 IEEE members which discussed various topics such as Development and Sustainability of Membership, New Chapters and Affinity Groups. A review of the Section’s activities and areas of support required from R10 were also discussed. TENCON 2017 preparations were also discussed. Ramakrishna gave several suggestions and constructive ideas for further improvement of the Section.

Sharing Session with an IEEE Fellow at Multimedia University, Cyberjaya

On the 14th of April 2016, Ir. Prof. Academician Dato’ Dr. Chuah Hean Teik gave a talk on his journey to become an IEEE Fellow (FIEEE) at the Faculty of Engineering, Multimedia University (MMU), Cyberjaya. With the title “FIEEE – A Malaysian Experience”, Prof. Chuah, who is the current president of Universiti Tunku Abdul Rahman (UTAR) shares his valuable experience that include his study and career path, the lessons learnt, the detailed nomination process, the different categories the nominees can go for, as well as the do’s and the don’ts in the nomination process. The talk was followed by a Q&A and interactive session. Being the only local Malaysian to be elevated to the Fellow grade so far, it is hoped that the sharing session can help in elevating more members as FIEEE in the near future.

2016 Executive Committee

The Executive Members for 2016 are as follows:
- Chair: Zuhaina Zakaria
- Vice Chair: Mohammad Faizal Ahmad Fauzi
- Past Chair: Norliza Mohd Noor
- Hon. Secretary: Haidawati Mohamad Nasir
- Hon. Treasurer: Christopher Chew
- Committee: P. Susthita Menon, Rozita Jailani, Abdul Rahim Ahmad, Fawnizu Azmadi Hussin
- Auditors: Franklin Joseph, Michael Joseph

From the Editor

This second edition of the 2016 newsletter includes some interesting news such as the inaugural IEEE fellow talk by our one and only Malaysian fellow. As usual, the newsletter also features some key programs conducted by the various technical chapters active in Malaysia. The second quarter has been very busy for Malaysia section and all the technical chapters.

Fawnizu Azmadi Hussin
Editor,
IEEE Malaysia Newsletter
fawnizu@ieee.org
IEEE Malaysia was Invited for a Site Visit to the Malikai TLP

An event was organized on Friday, 29 April 2016 to share the development of the Malikai project with 23 representatives from six Professional Institutions in Malaysia, namely the Institution of Engineers Malaysia (IEM), the Institute of Marine Engineering, Science & Technology (IMarEST), the Institution of Mechanical Engineers (IMechE), the Institute of Electrical and Electronics Engineers (IEEE), the Institution of Chemical Engineers (IChemE) and the Institute of Materials Malaysia (IMM).

Malikai is a deepwater oil discovery located ~100km offshore Sabah, Malaysia at a water depth of 500m. It is developed as a floating Dry Tree Unit (DTU) utilising a Tension Leg Platform (TLP). Being a fully manned platform, Malikai comes complete with living quarters (LQ) and control room to deliver nameplate production capacities of 60,000 barrels/day of Liquid and 50 million scf/day of Gas.

The event began with a safety induction for all visitors followed by a welcome speech by Momas Modon, Malikai’s Project Manager who provided an overview of the Malikai TLP, a deepwater flagship project within Shell infused with various industry breakthroughs and proudly delivered by a dynamic team consisting of mainly Malaysian engineers.

This is indeed a very proud achievement for Malaysia.
IEEE Malaysia Section Newsletter
Student Activities
Reported by P Susthitha Menon & Ng Ping Jian
susi@ukm.edu.my

IEEE R10 Student Internship and Skill Development (SISD) Program

IEEE Malaysia Section was the pilot site to launch the inaugural IEEE R10 SISD Program on the 28th of May 2016 at the Selangor Human Resource Development Centre (SHRDC). The event was the brainchild of the IEEE Region 10 Adhoc Committee on Entrepreneurship, Internship & Innovation and was led by Preeti Bajaj who heads the Internship and Skill Development Sub-Committee. IEEE UPM SB co-organized the event. Other technical co-organizers were SHRDC, local mass recruiters; Talentcorp and CREST as well as IEEE Young Professionals (R10 and Malaysia). Financial co-sponsors were IEEE Malaysia Section, IEEE CS and PES Malaysia. A total of 7 industries and 48 IEEE Student/Graduate Student Members from 9 IEEE Malaysia Student Branches registered for the event. The one-day event was successfully executed with the cooperation and participation of 12 invited speakers, 13 IEEE SB UPM committee members, 9 evaluators and IEEE volunteers.

Student Branch Membership Drives

IEEE Malaysia Section Student Activity Committee (SAC) conducted two membership drives at UKM SB and APU SB on 4th of May and 23rd June respectively. The membership drive was attended by Dr Susi Menon, SAC Chair, SB Counselors (Prof Mahamod and Dr Manoj) as well as the SSRs, Ashen Gomes and Ali Najah. The team shared on IEEE Malaysia’s vision and mission and briefed students on the advantages of being an IEEE Student Member. The membership drives were executed in conjunction with the IEEE Malaysia Section’s Member-get-a-Member Scheme which ran from April till August 2016. More than 20 undergraduate and postgraduate students attended the membership drive.

IEEE R10 Entrepreneurship Workshop

IEEE Young Professionals of Malaysia Section in collaboration with IEEE USM SB conducted an Entrepreneurship Workshop in collaboration with MAD.TU on 17th April, 2016 at C6.06, Taylor’s University from 9:00 a.m. to 2:00 p.m. The workshop which was financially supported by IEEE R10 aimed to equip participants with entrepreneurship skills, provide exposure to IEEE’s global presence and initiatives of university student bodies in Kuala Lumpur. Representatives from IEEE USM Student Branch attended the event and helped out in the preparation along with other section representatives. A total of 50 participants attended the workshop, out of those 20 were from Taylor’s University, 18 from IEEE, 6 were public and rest of them were guests.
IEEE Malaysia Section Humanitarian Activity

IEEE UKM SB, Kolej Rahim Kajai and the IEEE Communications Society are gathering on 15th & 22nd June at Jalan Tuanku Abdul Rahman, Kuala Lumpur, to prepare food for 500 of the least fortunate people in the city. The students had volunteered to host and sponsor a session of ‘JOM SAHUR!’ a weekly event organised by non-government organisation Institute Onn Ja’afar (IOJ), to provide food for Kuala Lumpur’s homeless and underprivileged denizens. ‘JOM SAHUR!’ is scheduled to take place from 1am to 2am every Wednesday morning for the duration of the fasting month. It is being held in three locations simultaneously; outside Yayasan Chow Kit’s KL Krash Pad on Jalan Tuanku Abdul Rahman, on Jalan Hang Lekiu, and at Kuala Lumpur City Hall’s half-way house Pusat Transit Gelandangan. Foods and drinks are in the form of sandwiches, fried rice, and apple juice. 300 packs were distributed outside KL Krash Pad while another 100 packs were being given out at each of the other two locations.

Volunteers are giving out packs of foods and drinks.

Formation of Curtin Sarawak IEEE-IAS, UTEM SB and UKM IEEE-PES Technical Student Chapter

On 28th Jan 2016, IEEE-IAS President David B. Droucher, Head of Chapter and Membership Development Dr. Peter Magyar, and IEEE YP Malaysia Representative Esther Ling paid a courtesy visit to Curtin Sarawak to initiate the establishment of IEEE-IAS student chapter which was officially formed on 21st April. IEEE Curtin Sarawak hosted Dr. Magyar’s and Droucher’s presentations which were entitled ‘The Electric Car and the Renewable Energy Sources: Hype or Solution?’ and ‘Implementation of Arc Flash Mitigating Solutions at Industrial Manufacturing Facilities’ respectively. The IEEE Universiti Teknikal Melaka (UTEM) Student Branch was officially formed on June 9th and is headed by Dr Chong as the SB Counsellor and Chan Chun Yuan as the SB Chair. The UKM Power and Energy Society (PES) Technical Student Chapter was formed on 1st July and headed by Prof Azah Mohamed as the Technical Advisor and Ali Najah Al-Shamani as the Chair. Congratulations!!!

IEEE Volunteer Team Visit

National University of Malaysia, IEEE UKM SB, IEEE Malaysia Young Professional and IEEE Malaysia Communications & Vehicular Technology Joint Chapter SB visited SMK Sungai Layar Kedah for three days from 23-26 March and gave a motivation speech about the value of team work, dream big and work hard to achieve your dreams and try to be the person who carry the red umbrella among the people carry the black umbrella.

Hussain giving a short speech to SMK Sungai Latar Kedah students.

Ongoing/Upcoming Events

20th Aug 2016 - SB Counselor/Technical Advisor Meet, FKAB UKM
25–27th Aug 2016 – IEEE R10 SYWL Congress @ Bangalore India
22nd Oct 2016 – IEEE Xtreme 10.0 Global Contest 2016
1st Nov 2016 – IEEE SB Annual Activity Report due via vtools
5th Nov 2016 – IEEE Malaysia SYW Congress @ Klang Valley
13 – 14th Dec 2016 – IEEE Student Conference on Research and Development (SCORED2016) @ Berjaya Times Square KL
The IEEE Malaysia WIE Affinity Group is indeed honored to represent the IEEE WIE global at the IEEE ICC'16. Vibrancy of IEEE WIE reverberated through IEEE ICC'16 with its presence at the N2 Women Networking Event and the Exhibition Event. The N2 Women Networking event was led by Maite Brandt-Pearce (University of Virginia) and Melissa Duarte (Huawei) with a discussion on leadership, academia and industry as well as networking with women in the communication field. The Exhibition event was led by LEE Yoot Khuan with help from executive committee and members of IEEE Malaysia WIE Affinity Group, Maryam M. Isa, Nur Idora Abd Razak, Norashikin Yahya, Rashidah Fumke, Azlina Idris, Nur Harnani Othman. A total of about 150 participants of the conference have visited our booth, with enquiries ranging from WHO is WIE, Is WIE discriminating against man to Could men join WIE. Of course, all of them fell in love with WIE freebies. It has been a busy but truly rewarding experience to promoting, networking and increasing visibility of WIE, global and Malaysia. We would like to thank the IEEE WIE global for giving us this opportunity. (Reported and Edited by Lee Yoot Khuan).

A seminar on “IEEE Women in Engineering: What you need to know” was held on 29April2016 at Auditorium B, E2 Building, Kulliyyah of Engineering, IIUM. About 66 students in their 3rd year of Electrical and Computer Engineering Department have attended the two hours session conducted by Maryam M Isa, Co-Chair of IEEE Women in Engineering Malaysia and assisted by Rashidah Funke Olanrewaju and Khairul Azami Sidek. The privileges and advantages of IEEE and WIE membership were deliberated to the students. Many questions were fielded on the benefit of IEEE and WIE. The students were inspired by the talk and registered their IEEE membership immediately after the seminar. Freebies were distributed to all the students on the day. (Reported by Maryam M Isa and Edited by Lee Yoot Khuan).

On 25May2016, the IEEE Malaysia WIE Affinity Group has sponsored an Award of Excellence for Final Year Project Competition, UKM to encourage woman in engineering. The Award was won by Siti Atikah bt Kassim, with her project titled “Analysis of Metallic Effect on Electromagnetic Radiation of the Human Head”. A WIE commemorative and certificate were awarded to the winner. The Judge for IEEE WIE Award was Maryam M. Isa while the Award was presented by LEE Yoot Khuan. The judging criteria include novelty, creativity and practicality. (Reported and Edited by Lee Yoot Khuan).
On 23rd July 2016, Zaipatimah Ali, representing the IEEE Malaysia WIE Affinity Group, has presented the IEEE WIE s-CPD Award, to Miss Joycelyn Wong Jia Li, a graduate from the School of Engineering, University of Nottingham Malaysia Campus. The Award, a crystal medal and certificate, was presented in conjunction with the 2016 University Graduation Ceremony at the Putrajaya International Convention Centre. Joycelyn has been active in participating and organizing extra-curricular activities.

Joycelyn has the following to say, “I am extremely grateful and honoured to receive IEEE WIE s-CPD Award 2016. The award means a lot to me, it is a recognition of my active involvement in engineering student activities. Through this s-CPD scheme, I have broadened my knowledge, Enhanced my interpersonal and social skills and integrated them into my professional practice as an engineer. Here, I would like to express my gratitude towards IEEE WIE for continuously providing motivation and support for recognition of women’s roles in engineering. This award is definitely an impetus for me to continue to strive for greater achievements in my future engineering career and contribute to the society. Once again, thank you so much, IEEE Malaysia WIE Affinity Group and University of Nottingham!” (Reported by Belle Ooi and Edited by Lee Yoot Khuan).

On 28 June 2016, IEEE Malaysia WIE Affinity Group sponsored two Awards of Excellence for UPM Final Year Project Awards Competition, Department of Electrical and Electronic Engineering and Department of Computer and Communication Engineering. They were awarded to Miss Alyssa Sinten Ining with project titled Portable Refrigerator System and Miss Hazwani Nadirah Mohd Azami with project titled Optical Properties of Graphene Quantum Dots for Sensing of Protein in Lard, by Maryam M Isa. Judging criteria included project design novelty, creativity and practicality. (Reported by Maryam M Isa and Edited by Lee Yoot Khuan).

IEEE WIE s-CPD Award

IEEE WIE BEST FYP Award @ UPM
The 2016 IEEE CAS Malaysia Chapter High Tea Networking Event

Sains@USM: The 4th IEEE CAS Society Malaysia Chapter (IEEE CAS M) High-Tea Networking Event has been successfully conducted. This year the event was held at Murad Auditorium, Sains@USM Penang on 27th July 2016. It was organized with the collaboration from the IEEE, USAINS and CREST.

For the year 2016, the IEEE CAS M was delighted to have Dr. Tat Kin Tan from Intel Malaysia, Prof. Dr. Massimo Alioto from National University of Singapore (NUS) and Assoc. Prof. Dr. Asrulnizam Abd Manaf from CEDEC USM.

The theme of the event was Moving Forward with Internet of Things (IoT). The program started with a welcoming remark given by Dr. Nurul Amziah Md Yunus from Universiti Putra Malaysia, the Chair of the IEEE CAS M. In the opening ceremony, Dr. Nurul Amziah has also presented the benefits of becoming the IEEE CAS member. The event continued by a short brief on Cycle 2/2016 R&D CREST Grant given by Dr. NorAzmi Alias from CREST.

First invited speaker was Dr. Tat Kin Tan from Intel. Dr. Tat Kin Tan gave a talk on “Moving Forward with Internet of Things with UX Centered Software as Service”. The second invited talk on “Rethinking 'Things' Design-the Missing (Technology) Link in the Internet of Things” was given by Prof. Dr. Massimo Alioto from National University of Singapore (NUS). The last invited talk on “Internet of Things: Opportunities and Challenges for Next-Generation Sensor Technology” was given by Assoc. Prof. Dr. Asrulnizam Abd Manaf from CEDEC USM.

The event was also brightened up by the present of its past chairs to the event, Prof. Sudhanshu Shekhar Jamuar from Universiti Malaysia Perlis (UniMAP) who was the founder of the IEEE CAS Malaysia Chapter and Assoc. Prof. Dr. Wan Zuha Wan Hasan from Universiti Putra Malaysia (UPM), the chair of the IEEE CAS M in the year 2009 and 2010. The event completed with the 2nd Higher Education Student Project Exhibition Day and networking session. Details of the event: http://cas.ieeemy.org.

2016 IEEE Circuits and Systems Malaysia Chapter Award Program

During the High Tea Networking event, the IEEE CAS award winners were announced by Dr. Lini Lee, the Head of the Award Committee from Multimedia University. The IEEE CAS (M) Innovation Awards won by Dinesh A/L Dipitri from Universiti Malaysia Perlis (UniMAP) with project entitled ‘Microcontroller based Smart Power Management and Monitoring for Hybrid Power System’, Esra Ali Hassan from Universiti Teknologi PETRONAS (UTP) with project entitled ‘Smart Glasses for the Visually Impaired People’ and Siti Rahimah Ahmad Shahifol Bahri from Universiti Putra Malaysia (UPM) with project entitled ‘Near Threshold Standard Cell Library Design for Energy Efficient System’. The IEEE CAS (M) Master Dissertation Award won by Ahmed M. M. Al-Massri from Universiti Putra Malaysia (UPM) with project entitled ‘Design and Development of Prototype Robot Gripper for Object Weight Measurement’. Finally the IEEE CAS (M) Doctoral Dissertation Award was awarded to Kelvin Yong Sheng Chek from Swinburne University of Technology Sarawak Campus, Malaysia with project entitled ‘Direct Modulation and Injection Locking Characteristics of Quantum Cascade Lasers’.
Open Lab Day of HVER Lab, UTeM

The High Voltage Engineering Research Laboratory (HVER Lab), Universiti Teknikal Malaysia Melaka (UTeM) in collaboration with the IEEE DEIS Malaysia Chapter have successfully organised the HVER Open Day on 10th and 26th May 2016. The program was mainly for the third year undergraduate students of Industrial Power Course at the Faculty of Electrical Engineering, UTeM. During the program, students were exposed with safety procedures and research activities in the HVER Lab.

The objectives of the program are to provide early exposure and sparking students’ interest in the field of high voltage engineering before they undertake final year project in the following semester. To note, the high voltage engineering subject is only offered in the final semester of their study. Thus, this program is an initiative to assist them to see a wider view of potential field of project particularly related to high voltage.

In addition, the program is also beneficial for their preparation before undergoing industrial attachment at any electrical power related companies in terms of basic knowledge associated with high voltage insulation. It is also promoting a higher prospect of furthering their studies to Master or PhD level.

International Colloquium on Korean High-Tech Applications (ICKHA’16)

The Universiti Malaysia Perlis (UNIMAP) and IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter have jointly organised 2016 International Colloquium on Korean High-Tech Applications (ICKHA’16) on 9th April 2016 in Universiti Malaysia Perlis. The ICKHA’16 was organised as part of UniMAP Korean Week (UniKOW) activities held in UniMAP in 2016.

The main objective of ICKHA’16 is to serve as a platform to increase expertise and knowledge in Technical and Vocational Education and Training (TVET) in line with the aspiration of the Malaysian Ministry of Higher Education.

The colloquium was a strategic platform that has assembled industrial and academic experts from South Korea to form a high-impact industrial network in Malaysia. It has also become a platform for UniMAP and other public universities in Malaysia to jointly explore various possibilities in realising engineering and design technology and applications toward practical and commercial uses.

In ICKHA’16, research discussion was not focused on one or two disciplines only but covered all research fields in order to generate future cooperation among all research groups.

The outcome of this conference has provided opportunities for researchers and academics from public universities in Malaysia to do further studies in universities in South Korea and undergo industrial training there.
On the 25th May 2016, IEEE Malaysia PEL Chapter and IE/IA Joint Chapter organized a National Lecture Program (NLP) on Power Electronics and Industrial Electronics at the Faculty of Electrical Engineering, Universiti Teknologi MARA Shah Alam, Selangor. A total of 140 participants consisting of academic staff, engineers and students attended the talk, which was held to present to the participants, some new issues on techniques to enhance energy output for PV system during partial shading. The talk was delivered by Prof. Dr. Zainal Salam from UTM Skudai, Johor. Another talk, on the Emerging Security Threats of Unmanned Aerial Vehicles (UAVs) and Mitigation Steps, was delivered by Dr. Dinesh Sathyamoorthy from Science & Technology Research Institute of Defence (STRIDE), Ministry of Defence. Meanwhile, Rahimi Baharom, representing the Chair of IEEE Malaysia PEL Chapter and IEEE Malaysia IE/IA Joint Chapter took the opportunity to introduce and promote the activities of IEEE Malaysia to the participants. She also presented in brief, the process to be followed to form an IEEE PEL or IE/IA Student Branch at UiTM Shah Alam. The programme was a success as it managed to attract quite a number of students to register as IEEE Student Members.

Reported by Rahimi Baharom
IEEE Workshop on Geoscience and Remote Sensing 2016 (IWGRS2016)

There has been tremendous increase of earth observation (EO) applications stemming from recent developments in advanced remote sensing technologies. This workshop is aimed at providing a forum for IEEE Geoscience & Remote Sensing (GRSS) members to share knowledge and experience on recent developments and advancement in geosciences and remote sensing technologies, particularly in the context of Remote Sensing for Sustainable Environment.

DATE: 8-9 November 2016
VENUE: Faculty of Engineering Auditorium Hall, UPM Selangor

CALL FOR PAPERS
Topics include but are not limited to:
Geoscience and remote sensing technologies
Environmental and disaster monitoring
Land cover classification and mapping
Radar systems and applications
Global Navigation Satellite Systems
Microwave Components and Systems
Communication Systems
Surveillance technologies

More information of IWGRS2016 workshop can be found on the IEEE GRSS Malaysia website http://grss.ieeemy.org/events/iwgrs2016/

More information of IEEE GRSS activities can be found on the IEEE GRSS Malaysia website at http://grss.ieeemy.org/

PROJEK PERINTIS NEGERI JOHOR: TRANFORMASI TEKNOLOGI GEOSPATIAL MERENTAS KOMUNITI

Faculty of Geoinformasi and Harta Tanah, Universiti Teknologi Malaysia together with Club GEOINFO UTM, Rural Transformation Centre, Johor, Planetarium Negara Agensi Angkasa Negara and Geoscience and Remote Sensing (GRSS) society have held a program PROJEK PERINTIS NEGERI JOHOR: TRANFORMASI TEKNOLOGI GEOSPATIAL MERENTAS KOMUNITI. This program was held on 11 May 2016 at Dewan Siltan Iskandar, UTM, Johor Bahru.

This program involve students from 31 Excellent-Cluster schools (Kluster Kecemerlangan) in Johor state which were chosen by Ministry of Education Johor and. From this program, students will be exposed to Geospatial technology through blended learning and demonstration of equipment by UTM Taskforce team.

This program attended by dean of Faculty of Geoinformasi and Harta Tanah, Prof. Sr. Dr. Miswan@Abdul Hakim Mohammed and Director of RTC Johor state, Dr. Mohd. Azlan Ab. Jalil.

A group photo of the Project Perintis Negeri Johor Program
IEEE-EMBS Malaysia Chapter & IEEE Sub-section organizes a Sport science research symposium in conjunction with SUKMA XVIII

IEEE Engineering in Medicine & Biology Society (EMBS) Malaysia Chapter in conjunction with the IEEE Sarawak Sub-section organized a sport science research symposium on 23-24th July in UNIMAS Kuching in conjunction with SUKMA XVIII. The objective of this event is to improve the knowledge of sport science among all coaches, athletes, academic researchers and public audiences. This event is also co-organized by Majlis Sukan Negeri Sarawak (MSNS), Institut Sukan Negara (ISN), Sarawak Convention Bureau, IEEE Sarawak Subsection, Universiti Malaysia Sarawak (UNIMAS) and Curtin Sarawak.

In the morning session, a welcoming speech was given by Dr. Jacey, the IEEE Sarawak subsection representative to warm welcome speakers and all participants to the event. Subsequently, Dr. Alpha Agape Gopalai – the vice chairperson of IEEE EMBS presented the overview of Engineering in Medicine and Biology in Malaysia. After that, an outstanding researcher from Australia – Associate Professor Kevin Netto gave a glimpse into the use of wearable sensors in sport science. He strongly emphasized on the use of wearable sensors not limited to the controlled lab setup but also wide used in the on-field performance harvesting. Finally, the session was concluded by Dr. Garenth Lim on the current development of sport science in Sarawak region.

In the afternoon session, sport science team was visited to the Aquatic Stadium to observe the setup of data acquisition venue and conditions. On 24 July, diving sport’s data was acquired for further research evaluation. The objective of the data collection was to quantifying the diver’s splash using computational fluid approach.

Reported by Garenth Lim King Hann

Upcoming Activities..

1. Humanitarian Technology Activities Design Challenge
   ◦ 5th December 2016

2. Humanitarian Technology Activities Special Session
   ◦ 5th December 2016
   ◦ Open for Participation to all
   ◦ Selected proposals will receive a travel grant
   ◦ Reputable speakers from R10 will be speaking

3. IEEE Industrial Track @ IECBES ’16
   ◦ Supported by Industry Relations, IEEE Region 10
   ◦ Will see industry speakers discussing the future of biomedical engineering in Malaysia and beyond..

We hope to meet you @ IECBES ’16!!
IEEE Malaysia PEL Malaysia Chapter and IE/IA Joint Chapter had organized a National Lecture Program (NLP) on 25th May 2016. The lecture theme was “Power Electronics and Industrial Electronics” which was held at the Faculty of Electrical Engineering, Universiti Teknologi MARA Shah Alam, Selangor.

This NLP comprises of two lectures that highlight the current issues in the field of power electronics and industrial electronics. The response to the program was overwhelming where a total of 140 participants (including academic staff, engineers and students) attended the lecture.

The first lecture was delivered by Prof. Dr. Zainal Salam from UTM Skudai, Johor. Prof. Dr. Zainal Salam shares his knowledge and research on the techniques to enhance energy output for PV system during partial shading condition. The second lecture was given by Dr. Dinesh Sathyamoorthy, from Science & Technology Research Institute of Defence (STRIDE), Ministry of Defence. His lecture was on the emerging security threats of Unmanned Aerial Vehicles (UAVs) and mitigation steps.

On behalf of both the chairs of PELS Malaysia Chapter and IE/IA Malaysia Joint Chapter, Dr. Rahimi Baharom also took the opportunity to introduce and to promote the IEEE Malaysia activities to the participants. In addition to that, he had also presented the process to be followed to form an IEEE PEL or IE/IA Student Branch at UiTM Shah Alam.

The program was conducted successfully. It was also managed to attract quite a number of students to register as IEEE Student Members.
The IEEE 2016 IEEE 6th International Conference on Power and Energy (PECON 2016) will be held at Hatten Hotel Melaka, from 28-29 November 2016. The objective of the conference is to share the latest research in the areas of electrical power, power electronics, electrical drives, renewable energy and control systems. At the same time it allows the international delegates to discover the “Beautiful and Peaceful Malaysia”.

The conference provides engineers and academia with the opportunity to share experiences in recent development, current practices and future trends in power and energy. This event will feature a unique platform for discussing issues and developments in electrical power, power electronics, energy and its associated engineering fields. It is also a networking opportunity for establishing international relationships, the exchange of ideas and experiences amongst the many delegates.

PECON 2016 is jointly organized by the IEEE Power Electronics Society Malaysia Chapter (PELS), IEEE Power and Energy Society Malaysia Chapter (PES) and co-organized by Universiti Teknikal Malaysia Melaka (UTeM). It is technically co-sponsored by Korean Institute of Power Electronics (KIPE) and Taiwan Power Electronics Association (TaiPEA).

The proceedings of recent conferences of PECON2008, PECON2010, PECON2012, PECON2014 have been included in IEEE Xplore database. Accepted papers will be included in the IEEEXplore (subject to approval from the IEEE Technical Committee).

Website: http://sites.ieee.org/pecon2016/
Technical Seminar by Prof Martijn De Sterke

The IEEE Electron Devices Malaysia Chapter in collaboration with the Institute of Microengineering and Nanoelectronic (IMEN), Universiti Kebangsaan Malaysia had organized a technical seminar on 14th June 2016. The speaker was Prof Martijn De Sterke, the Deputy Director of CUDOS, University of Sydney and Former Editor in Chief of Optics Express. He gave three talks which are “Complete light absorption in an ultrathin film”, “Chalcogenide materials” and “Scientific Publishing (primarily aimed at students and early career researchers)”. 

ICSE 2016 Meeting & Buka Puasa Event

The IEEE-ICSE 2016 Technical Meeting 2 was held on 17th of June 2016 at RHR Hotel UNITEN. The main agenda of the meeting was to review papers for ICSE 2016 conference. After the meeting, all members were invited to the ED yearly program, Buka Puasa Event to strengthen friendship and networking among ED members.

EDS Final Year Project Award

IEEE Electron Devices Society Malaysia Chapter has sponsored an award for FYP Poster Competition 2016 organized by the Department of Electrical, Electronic and System Engineering, UKM on 25th May 2016. The award is to encourage FYP projects related to the area of VLSI, MEMS/NEMS etc, and also to acknowledge student working in these areas. The winner for the award was Ms. Nurul Jannah Bt. Mukhtar and the poster entitled: Equivalent Circuit Modeling of Surface Acoustic Wave (SAW) Resonator with Circular Geometry. The project was under the supervision of Assoc. Prof Dr. Badariah Bais and Norazreen Abd. Aziz.

Short course on Taguchi Method

The Electron Devices Society Malaysia Chapter has organized a 3 days short course titled "Taguchi Method for Developing Robust Processes" at Center of Computer Science and Information Technology, UNITEN. The short course held from 16th to 18th May 2016 was conducted by Professor Dr. Prakash R. Apte, from Electrical Engineering Department at Indian Institute of Technology Bombay (IITB). The course was attended by 5 academic staff and 3 postgraduate students. The fee for the course was RM1000 for the non-student and RM500 for the student.
Distinguished Lecturer Program (DLP) is an annual activity by IEEE Computational Intelligence Society (CIS) Malaysia Chapter where the top research in CIS from around the world will be invited to Malaysia to give a distinguished lecture to the lecturers and students regarding his/her interest research topic. In 2016, Prof. Nikhil R. Pal from Indian Statistical Institute (ISI) will be invited for the purpose.

Prof. Nikhil R. Pal research interest is in Pattern recognition, medical and satellite image analysis, fuzzy sets theory, neural networks, evolutionary computation, bioinformatics, and brain science.

Digital Week is an annual event organised by Artificial Intelligence club of Universiti Teknologi MARA Negeri Sembilan, Seremban 3 campus. IEEE Malaysia Computational Intelligence Society (CIS) has jointly organised the Cybercrime Talk on 10 May 2016. The event was from 9:00 to 12:00 and attended by eight IEEE members and 25 non-members. Assoc. Prof. Dr Dianne Cheong delivered the first talk, “Cybercrime Challenges & Cases in Malaysia” and the second speaker, Mr. Jazunnul Azriq Aripin captivated the audience with the role of CyberSecurity Malaysia and CyberSAFE Awareness Program. In conclusion, the Cybercrime Talk emphasized that cyber security is everyone’s responsibility and we need to protect our information at the workplace as well as at home.
In collaboration with Faculty Electrical and Electronic Engineering, Universiti Tun Hussein Onn Malaysia (FKEE, UTHM), IEEE AP/MTT/EMC Joint Chapter has successfully organized a one day International Seminar on Power and Communication Engineering (iSPACE 2016) on 10th May 2016. Five technical talks presented by five speakers including Prof Dr. A. Manu Haddad, Dr. Ab Halim Abu Bakar, Mr. Missyamsu Algusri, Prof Dr. Muhammad Amin and Prof Dr. Mohd Zarar Mohd Jenu. The seminar has attracted more than 150 participants to join.

The Chapter has successfully organised IEEE Membership Drive in UTHM on 1st June 2016. This event provides the platform for the UTHM committee to understand and join the IEEE community. The event has triggered new interest on Formation of new IEEE Student Branch in UTHM.

The Chapter has given sponsorship to Final Year Project Exhibition to UTeM (25th May 2016), UniMAP (3rd June 2016) and UTHM (29th May 2016). These events have gathered more than 200 final year students. This event exposes students on how IEEE panels evaluate their final year projects and reward those who had excelled in demonstrating each project. In order to appreciate and recognize the hard work and effort from the students, the AP/MTT/EMC chapter has evaluated and awarded Excellence Project Award as belows;

- Muhammad Adam bin Hamidon (UniMAP): Development of a Health Monitoring Vest for the Elderly
- Yong Wai Yan (UTHM): Investigate the Transmission Response of FSS for THz Imaging Application
- Sulakhsheme A/P Murugesan (UTeM) : 77GHz Antenna for Automotive Radar Application
- Muhammad Faez Bin Noor Sham (UTeM) : Design Of Microwave Spatial Power Combiner
IEEE Photonics Society Malaysia Chapter and IEEE Computer Society Malaysia Chapter have sponsored a mini SCSR conference at UTM, Skudai on 5th May 2016 with two keynote speakers from TM Research and Development Sdn. Bhd. (TMRND) and CyberSecurity Malaysia (CSM). Speaker from TMRND is Dr Ahmad Tajuddin bin Samsudin, shared his research on Network Softwarization, while speaker from CSM, Dr Aswami Fadillah bin Mohd Ariffin talked about Detection, Eradication and Forensic Analysis on Cyber Treats (Malware). During the parallel sessions in the afternoon, 19 papers were presented by 39 final year students of Bachelor Degree of Computer Science majoring in Computer Network and Security. The papers presented were in the field of Network and Security (SCSR).

"Fun with light“ which is part of our community engagement program was held on 24 August 2016 at Maahad Integrasi Tahfiz Selangor, Bagan Lalang, Selangor. Basic technology of light was introduced to the secondary school children by relating them to everyday lives as well as their potential application. Hands-on experience was added through some simple experiments.

Break fast (iftar) at Surau Sri Saujana, Taman Prima Saujana, Kajang is another community engagement that we have which was held on 25th June 2016. It was attended by around 150 pax, where among the activities are iftar, solat tarawikh, maghrib and isyak berjemaah together with donation ceremony,
IEEE PES Malaysia Supported Talk in UPM on Lightning Safety

IEEE PES Malaysia Chapter has supported a talk on lightning safety given by Prof Ir Dr Mohd Zainal Abidin Ab Kadir in UPM on 27th of May 2016. Among the contents of the talk was various aspects of lightning safety.

IEEE R10 & IEEE Malaysia Section Student Internship & Skills Development Program

IEEE PES Malaysia has participated in IEEE R10 & IEEE Malaysia Section Student Internship & Skills Development Program held on 28th May 2016. Adrian Sie, IEEE PES Malaysia Excom was invited to talk on ethics and skills required in the Power & Energy industry for fresh graduates. The talk was targeted for students who are looking for internship placements and getting them ready to join the industry as engineers.

IEEE PES Malaysia Supported Workshop in UTM KL on Raspberry Pi

IEEE PES Malaysia Chapter has supported a workshop on Raspberry Pi which was on 28th of May 2016 at UTM Kuala Lumpur. The workshop discussed on the possible applications using Raspberry Pi.
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<th>Member Half Year</th>
<th>Student Full Year</th>
<th>Student Half Year</th>
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*Electronic membership options are only available to higher-grade members in Malaysia

*Sample circular sent to all IEEE Malaysia members on the GRA opportunities in Malaysia.

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