

9th Annual General Meeting of Electronic Engineering Technical Division

ELECTRONIC ENGINEERING TECHNICAL DIVISION

reported by



Ir. Dr Wong Yew Hoong

The 9th AGM of eETd, attended by 30 members, was held at Penang Skills Development Centre (PSDC) in Penang on the 1 July, 2017. Its Chairman, Ir. Bhuvendhraa Rudrusamy, gave a welcome speech and thanked all the members who were present, especially those who had come from Miri and Kuala Lumpur.

He also expressed gratitude to committee members for their support and dedication by organising various activities which benefitted IEM members and cultivated engineering innovation in undergraduate students.

Ir. Bhuvendhraa and Ir. Assoc. Prof. Dr Khor Jeen Ghee were re-elected eETD Chairman and Deputy Chairman respectively. The new line-up of committee members (2017/2018) is as follows:

Chairman	Ir. Bhuvendhraa Rudrusamy
Deputy Chairman	Ir. Assoc. Prof. Dr Khor Jeen Ghee
Honorary secretary cum treasurer	Ir. Dr Lee Choo Yong
Committee members	Ir. Dr Wong Yew Hoong Dr Yeap Gik Hong Dr Leow Cheah Wei Dr Huzain Fahmi Hawari Ir. Dr Mui Kai Yin Mr. Sivarama Rajah Mr. Tiong Teck Chai Mr. Lau Heng Kar
Advisor	Ir. Bernard Lim Kee Weng

It was announced that eETD recorded an increase in membership from 585 in the previous year to 683. Membership breakdown, as of 30 June, 2017, is as follows:

Membership Grade	Number of Members in eETD
Fellow	6
Senior member	3
Member	176
Companion	13

Membership grade	Number of Members in eETD
Graduate	389
Incorporated	4
Associate	4
Student	88

The eETD held 11 committee meetings from August 2016 to June 2017 and organised 6 technical talks by scholars or engineers worldwide, held mostly at Universiti Sains Malaysia (USM) for the convenience of engineers working in the Bayan Lepas industrial zone. Technical talk details are shown in the table below:

Date	Title	Speaker	Organisation
12 Oct, 2016	Ethics and Professional Engineering Practice	Ir. Bernard Lim	Tactilis Sdn. Bhd.
19 Oct, 2016	Globalisation & Challenges Faced by Future Graduates/Engineers	Ir. Prof. Dato' Dr Chuah Hean Teik	UTAR
15 Dec, 2016	VLSI Thermal Management with On-Chip Digital Temperature Sensors	Prof. Dr Ng Wai Tung	University of Toronto, Canada
24 Feb, 2017	Overview of IC Packaging Concepts (Materials and Methods)	Dr Sim Lim Chong	Robert Bosch
20 Apr, 2017	Introduction to Theory of Inventive Problem Solving (TRIZ) and E-Waste	Dr Yeap Gik Hong & Ir. Bhuvendhraa Rudrusamy	KDU Penang & Aitramax Technologies Sdn Bhd
17 May, 2017	Acoustic Engineering	Mr. Kee Chin Min	Knowles Electronics Malaysia Sdn. Bhd.

In continuance of the 2015/2016 session, The University of Nottingham, Semenyih Campus, proposed to promote and recognise extra-curriculum and activities for students. The merits will be captured as Student-CPD to encourage students to participate in personal development and lifelong learning in areas critical to their future professional career in real world career pursuits. IEM eETD will sponsor a 1-year student membership for the most active student by the end of students' year calendar. This initiative was led by Ir. Assoc. Prof. Dr Khor Jeen Ghee.

IEM eETD also organised 3 technical visits for 2016/2017: SilTerra Kulim on 24 August, 2016, Knowles Electronics Penang on 16 February, 2017, and Honda Batu Kawan on 24 May, 2017. These visits were moderated by Dr Huzein Fahmi Hawari, Dr Leow Cheah Wei, Ir. Dr Lee Choo Yong and Dr Muhammad Nasiruddin bin Mayhuddin, respectively.

Participants benefitted in terms of attaining knowledge shared by the industry on the latest technology related to electronics and had a chance to visit the manufacturing floor.

IEM eETD also co-organised IEEE-IEM eETD Mini Colloquium with IEEE Penang Joint Chapter (IEEE Penang) on 24 September, 2016, in EGC foyer, Penang Skills Development Center (PSDC), Bayan Lepas, Penang. IEEE Penang is the IEEE chapter based in Penang, affiliated to technical societies of Electron Devices (ED), Microwave Theory and Techniques (MTT) and Solid-States Circuits (SSC). The mini colloquium comprised talks delivered by IEEE lecturers Dr Hideto Hidaka, Dr Makoto Ikeda and invited speaker Dr Alastair Trigg. The 30 participants comprised IEEE and IEM members as well as engineers from electronics companies in Penang. The first two sessions were chaired by IEEE Penang chairman Dr Wong Peng Wen and the third session by eETD chairman Ir. Bhuvendhraa Rudrusamy.

The eETD also continued to sponsor the Best Paper Award, worth RM1,500, in Innovate Malaysia Design Conference (IMDC). This multi-discipline engineering design conference and competition was supported by technological companies. Most of the eETD committee members were involved in reviewing the selected technical paper for this award which was open to all undergraduate



Membership Drive at UniMAP

Malaysian students in engineering and computer science to promote the culture of innovation.

The grand finale was held in Equatorial Hotel Penang on 8-9 August, 2016. A total of 264 teams from various universities took part in the IMDC. These included USM, UniMAP, INTI, UTAR, UTP, IUM, UiTM, UPM, UM, MMU, UKM, UnikL, USIM, Monash University Malaysia, Nottingham University Malaysia, UPNM, UMP, UTHM, UTM, Southampton University Malaysia, UNIMAS, Swinburne University Malaysia and Curtin University Malaysia.

The event also involved 9 industry tracks, namely Altera (now part of Intel), Intel, Keysight, National Instruments, Siltera/CEDEC, MathWorks, Microsoft, Motorola Solutions, and ViTrox. Eventually, 45 finalist teams submitted technical papers for IEM Best Paper Award and DreamCatcher Best Demo Video Award, which were sponsored by IEM and Dreamcatcher Consulting Sdn. Bhd., respectively.

To inspire the university students and young engineers to pursue engineering as career choice, IEM eETD organised 2 InspireMe Talks: "Engineering Career Development as Techno-Entrepreneur, Academic and Individual Contributor" on 8 December, 2016, and "How to Thrive as an Engineer" on 15 December, 2016.

For the first talk, the speakers were Mr. Ng Sang Beng (CEO, Aemulus Corporation Sdn. Bhd.), Prof. Dr Raymond Ooi (Professor, University of Malaya) and Mr. Ooi Eng Hun (Principal Engineer, Intel Corporation). For the second talk, the speaker was Dr Hari Narayanan (Motorola Solutions Sdn. Bhd.)

IEM eETD continued to work with the various institutions of higher learning on its student membership drive and extended membership drive to professionals of various companies during the technical talks and technical visits.

eETD will continue to organise technical talks and technical visits, hold membership drives, update the website and Facebook and hold seminars and workshops for university students, university-level competition (ENGINEVATE), national-level competition (IMDC), eETD networking programming, and many more.

eETD would also like to thank IEM Penang Branch committee and secretariat for the support. ■



Membership Drive at AIMST University