



10th AGM of Electronic Engineering Technical Division (eETD)

by Ir. Dr Lee Choo Yong

Ir. Dr Lee Choo Yong is currently the Deputy Chairman in Electronic Engineering Technical Division (eETD).

The Electronic Engineering Technical Division (eETD) has successfully organized pre-AGM talk on “What is Digital Identity with the Current Digital Transformation? Facts and Technology Challenges One We will be Facing” by Past Chairman Ir. Bernard Lim Kee Weng and 10th AGM at IEM Penang Secretariat on 21st July 2018. A total of 33 members have attended this meaningful occasion of eETD. Ir. Bernard Lim shared the technology of digital identity biometric card and conclude the talk with key challenges, concerns and opportunities of the technologies.

It was indeed an interesting topic with interactive Q&A, eETD Chairman Ir. Bhuvendhraa Rudrusamy presented certificate of appreciation to Ir. Bernard at the end of the talk.



Ir. Bernard Lim delivering pre-AGM talk and presentation of certificate of appreciation by Ir. Bhuvendhraa Rudrusamy at the end of the talk

The AGM started at 10.30am with welcoming address and introduction of eETD with its functions and roles in IEM by Ir. Bhuvendhraa Rudrusamy. He pointed out that eETD has achieved another great milestone for the term of 2017/2018. Many newly proposed activities were successfully carried out. eETD continues to serve its member with technical talks, technical visit, membership drive, timely update the website and Facebook, seminars and workshops for university students, university-level competition (ENGINEOVATE), national-level competition (IMDC), eETD networking programming, and many more. eETD also continue to stay relevant with industry and updates the members through its activities.

eETD's courtesy visits to Penang Skills Development Center (PSDC), universities, and industries has further fostered the relationship with policy makers and technology leaders, to keep abreast with latest technology trends. As recognition, numerous eETD articles regarding activities have been published in IEM bulletin, Jurutera, this has made electronic engineering more visible in engineering fraternity. He also took opportunity to thank IEM Penang Branch committee and secretariat for the support.

Honorary Secretary cum Treasurer Ir. Dr. Lee Choo Yong then presented 2017/2018 secretary's and financial reports.

As of 30th June 2018, eETD has a membership of 726 and the breakdown as follows: 7 fellows, 4 senior members, 198 members, 11 companions, 382 graduate members, 4 incorporated members, 3 associate members, and 117 student members. During 2017/2018 term, eETD Executive Committee had organized technical talks (5), technical visits (2), InspireMe talks (2), workshop (2) and industrial technical talk for students (5) with total 34.5 CPD hours; supported IEEE International Symposium (IMESS2017); supported membership drive in various IEM occasions.

In addition, eETD continues to sponsor best paper awards worth RM1500 for Innovate Malaysia Design Conference (IMDC) 2017 and the grand finale was held on 17th July 2017 at the Malaysian Global Innovation and Creativity Centre (MaGIC), Cyberjaya.

Overview of eETD Activities 2017/2018

| Date | Title | Venue | Speaker/Moderator |
|----------------|--|---|---|
| 06 Jul 2017 | Technical Talk on “Beyond LED Lighting” (collaborate with IEEE Penang) | PSDC | Prof. Dr. Ooi BS |
| 06 Jul 2017 | Technical Visit to HP Malaysia Manufacturing Sdn. Bhd. | HP Malaysia Manufacturing Sdn. Bhd., Penang | Ir. Dr. Mui Kai Yin |
| 28 Sep 2017 | Industrial Technical Talk on “Data Science for Engineers” | Nottingham University Malaysia Campus | Lau Heng Kar |
| 17 Oct 2017 | Workshop for Students: Programming Arduino Board with MATLAB | KDU Penang University College | Dr. Leow Cheah Wei |
| 05 Nov 2017 | Half Day Workshop on “Energy Storage Applications in Smart Power Systems” (collaborate with EETD) | PSDC | Prof. Toshihisa Funabashi Prof. Masahide Hojo Assoc. Prof. Ryoichi Hara Dr. Yoshinobu Ueda |
| 15 Nov 2017 | Industrial Technical Talk on “Flash Memory: An Evolving Material Technology that Disrupts the Future” | Universiti Malaya Nottingham University Malaysia Campus | Ir. Dr. Lee Meng Chuan |
| 15 Nov 2017 | Industrial Technical Talk on “Overview of Vertical Transportation System” | Universiti Teknologi Petronas | Ir. Dr. Lee Choo Yong |
| 17 Nov 2017 | InspireMe Talk – “What It Takes to be a Successful Engineer?” | KDU Penang University College | Dato’ Wong SH |
| 02 Mac 2018 | Industrial Technical Talk on “Data Science for Engineers” | KDU Penang University College | Lau Heng Kar |
| 02 Mac 2018 | Industrial Technical Talk on “Indoor Positioning for Internet of Things” | KDU Penang University College | Ir. Dr. Khor Jeen Ghee |
| 08 Mac 2018 | Technical Visit to Motorola Solutions | Motorola Solutions Sdn. Bhd., Penang | Dr. Huzein Fahmi b. Hawari |
| 15 Mac 2018 | Technical Talk on “Simulation Driven Hardware & Deployment and Semiconductor Test Technology & Solutions for HVM” | AIMST University | Dr. Leow Cheah Wei Sivarama Rajah |
| 24 May 2018 | Technical Talk on “Implementation of I4.0 into Existing Equipment & Processes to Improve Productive & Maintenance” | IEM Penang Secretariat | Royce Tan Thiam Soon |
| 07 Jun 2018 | Technical Talk on “Automotive Functional Safety (ISO 26262) – An Overview” | IEM Penang Secretariat | Shanker Marimuthu |
| 22-23 Jun 2018 | 2 Days MYTRIZ Level 1 Practitioner Workshop | KDU Penang University College | Dr. Yeap Gik Hong |
| 28 Jun 2018 | InspireMe Talk – “Attitude & Passion Road to Success” | KDU Penang University College | Shanmuganathan Palanisamy |



Photo 1 – technical visit to Motorola Solutions, 2 – InspireMe Talk by Dato’ Wong SH, 3 - InspireMe Talk by Shanmuganathan Palanisamy, 4 - Industrial Technical Talk on “Data Science for Engineers”, 5 - technical talk on “Automotive Functional Safety”

Ir. Dr. Khor Jeen Ghee and Ir. Dr. Lee Choo Yong were elected as incumbent eETD Chairman and Deputy Chairman, respectively, during the 13th eETD Committee Meeting for the term of 2017/2018. Ir. Dr. Khor Jeen Ghee then delivered incoming chairman address, Ir. Dr. Khor welcomed new committee members and thanked to IEM Penang Branch for support. Ir. Dr. Khor hopes eETD will work with engineers from diversified domains for new Industry 4.0 era. As other business, Ir. Dr. Khor invited IEM Penang Branch Chairman Ir. Ting Chek Choon to promote Recent Innovations in Engineering (RIE) Conference which to be held on 08.-10th August 2018. The meeting adjourned at 12:00pm as proposed and seconded by Dr. Leow Cheah Wei and Ir. Dr. Huzein Fahmi b. Hawari respectively. The group photo was taken at the end of AGM, participants were invited for networking lunch and subsequently enjoyed durian feast at Teluk Bahang, Penang.

| Position | Office Bearer |
|------------------------------|---|
| Chairman | Ir. Dr. Khor Jeen Ghee |
| Deputy Chairman | Ir. Dr. Lee Choo Yong |
| Hon. Secretary cum Treasurer | Ir. Dr. Mui Kai Yin |
| Technical Advisor | Ir. Bhuvendhrra Rudrusamy |
| Committee Member | Ir. Dr. Huzein Fahmi b. Hawari Dr. Leow Cheah Wei Dr Yeap Gik Hong Tiong Teck Chai Lau Heng Kar Sivarama Rajah Ir. Dr. Lee Meng Chuan Ir. Bernard Lim Kee Weng |



Group photo at the end of AGM