



### **Pre - AGM Forum on Electrical Safety** by Dr Siow Chun Lim

Dr Siow Chun Lim is currently a Senior Lecturer in Multimedia University. His research interests include electrical grounding systems, high voltage experiments and engineering education.

The Electrical Engineering Technical Division (EETD) of IEM has successfully organised the Pre-AGM Forum on Electrical Safety on 6<sup>th</sup> May 2017 at Wisma IEM. Attended by more than 120 participants, the forum was organised with the aim of promoting electrical safety amongst the public, regardless of whether they are electrical engineers or otherwise. In this forum, speakers from Suruhanjaya Tenaga, Jabatan Kerja Raya and TEEAM were present to provide insights from multiple perspectives. The first speaker, Ir. Chris Chew Shee Fuee, who is the current President of The Electrical and Electronics Association of Malaysia (TEEAM), delivered a talk on electrical safety of consumer products. He started off his presentation by citing several household electrical accidents. Then, Ir. Chris elaborated on the significance of the CE marking which indicates the conformity of electrical equipment. He ended his talk by urging the distributors and importers to participate actively with the national authorities to ensure that only electrical products or equipment at the market fulfils the requirements of providing a high level of protection of health and safety of persons.

The second speaker was Ir. Siti Nor binti Hassan, the current Head of Electrical Engineer of JKR at Headquarters, KL who spoke on the topic "Electrical Safety in Government Buildings". Her presentation outline includes an introduction of electrical hazards, regulations and standards which JKR complies with, possible causes of electrical accidents, examples of electrical accidents, factors which influences electrical shock as well as mitigation to enhance electrical safety. JKR employs best engineering practices by ensuring strict adherence of its electrical installations to JKR specifications, compliance to Electricity Regulations 1994 and MS IEC 60364. Ir. Siti also highlighted the JKR Electrical Material Approved list (JMAL) and ended her presentation by citing examples of good installation maintenance practices which includes proper wiring and design and installation of earthing systems. The final speaker of the day was Ms. Iffah Hannah, Head of Electrical Safety Development Unit Suruhanjaya Tenaga. She presented on the topic "Guideline on Electrical Safety Management Plan and Programme. Her presentation outline encompasses a brief introduction of the safety management plan, its objectives, regulatory requirements, parties who hold responsibility, elements of the plan as well as the audit checklist.

The presentations then followed with a lively question and answer session where audience took their turn to clarify their inquiries with the speakers. The Pre-AGM forum concluded with EETD's 32<sup>nd</sup> Annual General Meeting taking place from 11am-1pm.



Ir. Francis Xavier moderating the forum with the panel of speakers comprising of Ir. Chris Chew (TEEAM), Ir. Siti Nor (JKR) and Ms. Iffah Hannah (ST)



Participants of the forum