



Talk on Route to Professional Engineer (Biomedical Engineering) for Engineers and Academicians

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.

A talk on Route to Professional Engineer for Engineers and Academicians was organized by the Electrical Engineering Technical Division, IEM on 8 April 2017 at Wisma IEM. Attended by more than 40 participants comprising of biomedical engineers, electronic engineers, electrical engineers and academicians, the talk was delivered by Ir. Al-Khairi Mohd Daud. An extensive sharing session has taken place whereby Ir. Al-Khairi Mohd Daud first introduced the 3 possible pathway for a biomedical engineer to pursue for Professional Engineer status namely via BEM (Professional Assessment Examination), IEM (Corporate Member of IEM) and conversion of Chartered Engineer obtained from oversea engineering professional bodies such as IEM. Drawing from his vast experience as Professional Interviewer, Ir. Al-Khairi has also shared the common pitfalls of many applicants of PE which includes lack of thorough practical experience in a wide spectrum of engineering practices, poor soft skills as well as weak in fundamental engineering principles.

After the conclusion of the talk by Ir. Al-Khairi Mohd Daud, the event continued with a brief sharing session by Ir. Dr. Liew Yih Miin, a senior lecture from University of Malaya on how she has attained her Professional Engineer (PE) status recently. Ir. Dr. Liew first elaborated on her pathway which is via the IEM route by outlining the requirement to be fulfilled prior to application which includes being engaged in lecturing EAC approved engineering degree programme in an institution of higher learning at the time of application, has been teaching final 2 years of engineering degree courses for at least 12 months which can be on a cumulative basis and has an equivalent of 1 year's practical engineering experience in Malaysia under the supervision of a Professional Engineer preferably in the same branch of engineering which can also be on a cumulative basis. Completion of previously mandatory BEM courses such as Code of Ethics, Health and Safety at Works and Engineering Management Practices is no longer a requirement but is highly encouraged.

After that, Dr. Liew explained on the submission process to IEM which includes a technical report endorsed by 2 Professional Engineers, completed IEM/PI form endorsed by 1 proposer and 1 seconder whereby one of them must be a fellow or a corporate member of not less than 10 years standing with IEM, and a letter from the industry clearly stating the duration of experience and certified by a Professional Engineer who preferably is your industrial supervisor as well. Moving on to the professional interview stage, there are 2 interviewers comprising of 1 academician and 1 from the industry. Upon completion of oral interview, written assessment takes place with the first essay on the submitted technical report and the second essay on regulations on professional conduct. Upon successful passing of the PI stage, the candidate will then have to complete the BEM submission which includes a BEM form,

MIEM certificate, letter from the Dean verifying the teaching experience, letter from the industry, endorsement letter from supervisory IR and certificate of graduate engineer from BEM.

The session ended with presentation of a token of appreciation by Ir. Dharmesh to Ir. Al-Khairi.

Snapshots of the entire event were also attached as below.



Ir. Al-Khairi received the token of appreciation from Ir. Dharmesh



Participants listening intently to the presentation