



Technical visit to Centre for Electromagnetic and Lightning Protection Research (CELP), Universiti Putra Malaysia

by Dr Siow Chun Lim

Dr Siow Chun Lim is currently the Associate Editor of Journal of Engineering Science and Technology and is also an active reviewer for several conferences and journals.

IEM EETD has successfully organized the last technical visit of the year 2016 on 14th December 2016. This time, a total of 20 participants were present at the CELP, UPM at 930am. The visit started off with a welcoming and introductory presentation by Dr. Jasronita, the Director of CELP. Centre for Electromagnetic and Lightning Protection Research (CELP) is one of the few institutions in the world that is dedicated to the research and promotion of the scientifically proven engineering and physics of lightning safety and protection. It operates under the Department of Electrical and Electronic Engineering, Universiti Putra Malaysia.

Next, Ir. Dr. Mohammed Effendy delivered a presentation on agro PV and several other solar-related projects. After the conclusion of the presentation sessions, a token of appreciation was presented by IEM EETD to CELP as shown in Figure 1.



Figure 1: A token of appreciation from IEM EETD (Dr. Siow Chun Lim) to CELP (Dr. Jasronita)

The visit then ensues with a demonstration of high voltage experiment at the High Voltage Lab, UPM. Figure 2 illustrates Dr. Norhafiz (CELP) giving an introduction of the High Voltage Lab as well as the available research and testing facilities. A 1.2/50 μ s impulse as captured by a high speed camera and the waveform's characteristic and key features was explained to the participants.



Figure 2: Dr. Norhafiz introducing the High Voltage Lab, CELP, UPM

After that, the participants dropped by at the Power Electronics Lab, UPM for an introduction of the research projects done there. The presentation was done by two postgraduate students who are doing solar-related research projects. Next, the participants were taken to the solar research site. The presentation and briefing on the research projects and facilities there was conducted by Ir. Dr. Mohammed Effendy.

The visit ended with a group photo taken at the solar research site as shown in Figure 3.



Figure 3: Participants of CELP Visit