

IEEE Malaysia Section Newsletter IEEE Dielectrics and Electrical Insulation Society (DEIS)

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Research Seminar on High Voltage Engineering

A research seminar on high voltage engineering was successfully organised by the Department of Electrical Power Engineering (POWER), Faculty of Electrical Engineering (FKE), Universiti Teknologi Malaysia (UTM) and co-organised by IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter on 27th April 2017 at FKE, UTM Johor Bahru.

Around 100 undergraduate students undertaking the course High Voltage Technology attended the talks delivered by Dr. Mona Riza Mohd Esa on lightning physics and Dr. Zulkarnain Ahmad Noorden on supercapacitors. Various interesting research topics and findings on high voltage engineering, particularly on lightning phenomena and supercapacitor materials, were discussed. The students also had an opportunity to have a glance at the high voltage research activities carried out by Dr. Mona and Dr. Zulkarnain at UTM.



Dr. Zulkarnain delivering his research talk on supercapacitors

Dielectrics Tutorial

Dielectrics Tutorial was successfully organized by the IEEE DEIS Malaysia Chapter on 25th May 2017 in Universiti Sains Malaysia (USM). The tutorial was delivered by two international speakers, Prof Ir. Dr. Suwarno from Institut Teknologi Bandung, Indonesia and Prof. Dr. Masayuki Nagao from Toyohashi University of Technology, Japan. The first speaker, Prof. Ir. Dr. Suwarno presented a topic regarding the insulation aging and remaining life of high voltage transformers, while the second speaker, Prof. Dr. Masayuki Nagao delivered a topic on how to see movement of electric charges in polymeric insulating materials. The topics of the tutorial have attracted interests from academicians, researchers and students in Malaysia.



Visitors at the USM High Voltage Laboratory

Visit to USM High Voltage Laboratory

In conjunction with the Dielectrics Tutorial held at Universiti Sains Malaysia (USM) on 25th May 2017, some members of IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter and Malaysian High Voltage Network (MyHVnet) and participants of the tutorial visited the USM High Voltage Laboratory. During the visit, Assoc. Prof. Ir. Dr. Mohamad Kamarol Mohd Jamil introduced various high voltage research facilities available in the laboratory and briefed the visitors on the research activities carried out in the laboratory.

The main objectives of the visit were to expose the visitors on the high voltage facilities available at USM and to initiate potential collaborations relevant to high voltage engineering. Dr. Mohamad Kamarol also took the opportunity to promote IEEE DEIS to the visitors and encourage them to become members of IEEE DEIS. IEEE DEIS Malaysia Chapter and MyHVnet thanked Dr. Mohamad Kamarol for his courtesy during the visit.



Dielectric Tutorial by Prof. Dr. Suwarno & Prof. Dr. Masayuki Nagao

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