

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

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### High Voltage Research Talk at UTM

The IEEE DEIS Malaysia Chapter, in collaboration with the Faculty of Electrical Engineering (FKE), Universiti Teknologi Malaysia (UTM), IEEE Power and Energy Society (PES) Malaysia Chapter and IEEE UTM Student Branch, successfully organised a talk on High Voltage Research on 24 April 2018 at FKE, UTM Johor Bahru.

Around 150 undergraduate students of UTM undertaking the High Voltage Technology and Final Year Project courses attended the talk delivered by Prof. Dr. Zulkurnain Abdul Malek, the Director of the Institute of High Voltage and High Current (IVAT), UTM. Various interesting research topics and findings on high voltage engineering, were delivered by Prof. Dr. Zulkurnain.

By Ir. Dr. Lau Kwan Yiew



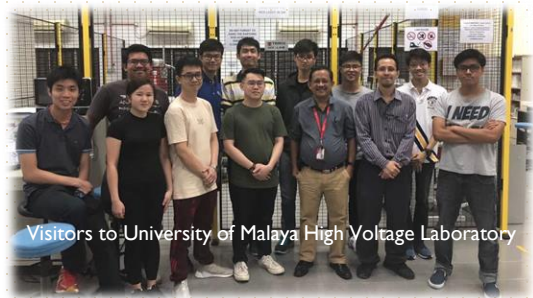
High Voltage Research Talk at UTM

### Visit to TNB Research Sdn. Bhd.

The IEEE DEIS Malaysia Chapter, in collaboration with Malaysian High Voltage Network (MyHVnet), successfully organised a technical visit to Tenaga Nasional Berhad Research (TNBR) Sdn. Bhd. at Kajang, Selangor on 10th April 2018. During the site visit, participants were brought to the lightning research laboratory, high voltage testing laboratory, cable laboratory, floating solar panel lake and EV charging station.



Visitors to TNBR



Visitors to University of Malaya High Voltage Laboratory

### Taylor's University Visit to UMHLV

Two academic staffs and 10 undergraduate students from Taylor's University, Selangor visited the University of Malaya High Voltage Laboratory (UMHLV) in the Department of Electrical Engineering, Faculty of Engineering, University of Malaya on 3rd May 2018. The visit was part of their educational activities.

During the visit, the visitors were given a briefing about breakdown phenomena across a spark gap. Then, demonstration on breakdown phenomena across a spark gap under AC, DC and impulse voltages using various electrode shapes was performed in front of the visitors in the high voltage laboratory.



Norhafezaidi (left) receiving his plaque and certificate from Ir. Dr. Lau Kwan Yiew, Chair of DEIS Malaysia Chapter

### DEIS Malaysia Chapter Sponsors 2018 Electrical Engineering Student Symposium

The IEEE DEIS Malaysia Chapter offered its sponsorship to the 2018 Electrical Engineering Student Symposium (EESS) held at the Faculty of Electrical Engineering, Universiti Teknologi Malaysia, on 14-15 May 2018. The DEIS Malaysia Chapter presented the 2018 Student Award in High Voltage Engineering to Norhafezaidi Mat Saman, with his final year project entitled "Performance Study of Non-Thermal Plasma Chamber to Remove NO<sub>x</sub> from Diesel Engine Vehicle", under Prof. Dr. Zolkafle Buntat's supervision.

By Ir. Dr. Lau Kwan Yiew