

IEEE Malaysia Section Newsletter

IEEE Dielectrics and Electrical Insulation Society (DEIS)

Reported by Ir. Dr. Hazlee Azil Illias (h.illias@um.edu.my)



Participants of Institute of Power Engineering Technical Lecture

Institute of Power Engineering Technical Lecture at UNITEN

On 26th July 2018, a technical lecture was held by the Institute of Power Engineering, Universiti Tenaga Nasional (UNITEN) together with the IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter and Malaysian High Voltage Network (MyHVnet) at UNITEN Kajang, Selangor.

The lecture was conducted by Professor Dr. George Chen from the University of Southampton, United Kingdom, on three topics, namely, “Diagnostic Testing and Development of High Voltage Direct Current (HVDC) Cables”, “Nanodielectrics and Their Applications” and “Space Charge Measurements”. About 50 participants including students, lecturers and engineers attended the lecture.

During the lecture, Professor Dr. George Chen shared with the audience on the fundamentals of HVDC cables, including an overview of HVDC cables, testing methods commonly applied for HVDC cables and the latest developments in HVDC cables.

Recent research trends in nanodielectrics were also emphasised, and the potential applications of nanodielectrics in addressing HVDC cable needs were highlighted. Furthermore, appropriate use of space charge measurement techniques in diagnosing HVDC cables and materials was also addressed to the audience.

The committee members of the DEIS Malaysia Chapter wish to express their sincere thanks to Professor Dr. George Chen for his willingness to share his expertise in the field of HVDC cables, nanodielectrics and space charge measurements with the Malaysian community.

Co-operation and support from the members of UNITEN, IEEE DEIS and MyHVnet were also acknowledged for making the technical lecture a successful event.

By Ir. Dr. Lau Kwan Yiew

Dielectric Tutorial at USM

A Dielectric Tutorial was successfully organised by the IEEE DEIS Malaysia Chapter on 13th August 2018 at Universiti Sains Malaysia (USM). The tutorial was officiated by the Vice Chair of the IEEE DEIS Malaysia Chapter, Assoc. Prof. Ir. Dr. Mohamad Kamarol Mohd Jamil. The tutorial was delivered by Prof. Satoshi Matsumoto from the Shibaura Institute of Technology, Japan, with the topic “Analysis of Over-shoot in Impulse Test and Evaluation of Waveform Parameters for Oscillating Impulse for High Voltage Test (and Detection of GHz Electromagnetic Waveforms Emitted from partial Discharge)”. The committee members of the DEIS Malaysia Chapter wish to express their sincere thanks to Prof. Satoshi Matsumoto for his willingness to share his expertise in the field of impulse testing with the Malaysian community.

By Ir. Dr. Lau Kwan Yiew



Participants of Dielectric Tutorial