

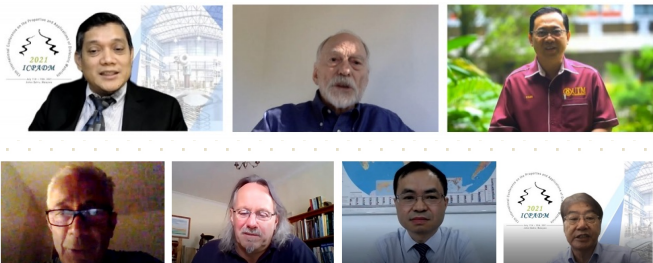
IEEE Malaysia Section Newsletter IEEE Dielectrics and Electrical Insulation Society (DEIS)

Reported by Ts. Dr. Wong Jee Keen Raymond (wjkraymond@um.edu.my)

International Conference on the Properties and Applications of Dielectric Materials

The 13th International Conference on the Properties and Applications of Dielectric Materials (ICPADM) was successfully held on 12-14 July 2021. The 13th ICPADM 2021 was a virtual conference hosted by Universiti Teknologi Malaysia via the Institute of High Voltage and High Current and sponsored by the IEEE DEIS and TNB Labs Malaysia. The theme of the conference was “Emerging Dielectrics for Energy Sustainability”.

A total of 149 participants from 21 countries joined the conference, with 117 papers presented over 18 oral sessions based on 6 main tracks, namely, condition monitoring, dielectric phenomena, electrical insulation, general dielectrics, nanomaterials, and others. A virtual tour was also carried out through 5 video presentations prepared by TNB Labs Malaysia, TNB Research Malaysia, and Universiti Teknologi Malaysia.



Membership Drive Activity during ICPADM

In conjunction with the 13th International Conference on the Properties and Applications of Dielectric Materials (ICPADM) held on 12 July 2021, a DEIS membership drive activity was carried out to promote the DEIS membership to the colloquium attendees and to bring awareness to them on the presence of the IEEE DEIS Malaysia Chapter.

The IEEE DEIS Malaysia Chapter was established in Malaysia in May 2015 with the aim to enhance networking and stimulate research and development in the field of dielectrics and electrical insulation in Malaysia. Its field of interest is in line with that of DEIS, i.e., the study and application of dielectric phenomena and behavior and the development, characterization, and application of all gaseous, liquid and solid electrical insulating materials and systems utilized in electrical and electronic equipment.

The IEEE DEIS Malaysia Chapter hopes to promote the close cooperation and exchange of technical information among its members. The IEEE DEIS members will have the opportunity of networking with a large number of experts worldwide, sharing the results of their research activities and remain informed with the latest developments in their field.

Webinar: TNB Labs Webinar, Operation and Life Management of Power Transformer

The IEEE Dielectrics and Electrical Insulation Society (DEIS) Malaysia Chapter collaborated with TNBR Labs to organize a Webinar entitled “Operation and Life Management of Power Transformer”. The talk was held online via Cisco WebEx and was attended by around 315 participants.

In this talk, Ir. Ts. Dr. Mohd Aizam Talik (Head of Advanced Diagnostic Services TNBR) started with a quick introduction of transformer asset maintenance. Next, he explained about the importance of condition based maintenance followed by transformer maintenance strategies and transformer life management. Dr Aizam also shared several case studies related to how condition based maintenance was used to prevent transformer failure.

It is hoped that the experience and knowledge shared during the webinar are beneficial to all participants.

