



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## Talk on “4 pillars of Transformer Condition Monitoring”

Organised by: the Electrical Engineering Technical Division, IEM  
BEM approved CPD Hours: 2 Ref No.: IEM16/HQ/476/T

**Date** : 21<sup>st</sup> Nov 2016 (Monday)  
**Time** : 5.30pm to 7.30pm  
**Venue** : Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor, Wisma IEM, PJ  
**Speaker** : Mr. Max Philipp

### PRESENTATION SYNOPSIS

#### The 4 Pillars of Transformer Condition Monitoring

This talk gives an overview of the fundamentals of transformer condition monitoring and asset management procedures. The 4 pillars: DGA, Record keeping, Visual Inspection and Routine off line tests should be understood with emphasis on the technical background on which decisions are based. It forms the valuable knowledge which will support their directives and decisions in their daily challenges, instead of an over reliance on technologies such on-line condition monitoring systems to interpret data.



### Speaker’s Biodata

Max has over 28 years’ experience in the field of Transformers, Substations and Management. In his previous engagement, Max worked for Maschinenfabrik Reinhausen GmbH of Germany. In his career he led successfully 2 of their subsidiaries.

The first one was Reinhausen Australia, and his last engagement was as Managing Director for Reinhausen Asia Pacific in Malaysia. His customer base included Power Utilities, High & Medium Voltage Substations, Transformer Manufacturers and Industrial customers in the Asia Pacific region. Max left Reinhausen in 2010 and established MP Consult Sdn Bhd in Malaysia where he currently works as a Consultant and Trainer. His technical expertise includes Voltage regulation, Commissioning of OLTC, Selection Criteria’s for Power Transformers, Technical Understanding & Evaluation of Products and Fault Prevention & Damage Investigation.

Max is a member of the National Committee of CIGRE Malaysia and is the Convener of the local A2 transformer working group of CIGRE Malaysian National Committee.

Max graduated in 1985 from the University of Applied Science in Dortmund, Germany in Electrical Power Engineering

**Ir. Yau Chau Fong**  
**Chairman**  
**Electrical Engineering Technical Division, IEM**

#### **ANNOUNCEMENTS TO NOTE:**

- Preferential admission to talk shall be accorded to IEM members (**pre-registration and online registration are NOT required**).
- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- Members of affiliated organisations upon producing their membership cards will be exempted from paying registration fee. Administrative fee is nevertheless applicable.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are reminded to produce membership cards for confirmation of attendance (CPD purpose) failing which a fee of RM25 will be imposed. GST inclusive.

#### **ADMINISTRATIVE FEE**

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

#### **PERSONAL DATA PROTECTION ACT**

I have read and understood the IEM’s Personal Data Protection Notice published on IEM’s website at <http://www.myiem.org.my> and I agree to IEM’s use and processing of my personal data as set out in the said notice.

#### **CPD HOURS CONFIRMATION**

Name: .....

Membership No: .....

Signature: .....