



ONE DAY SEMINAR ON “TAKING TRANSFORMER INTELLIGENCE TO THE NEXT LEVEL”

SPEAKERS ;
MR JEAN CARLOS LEICHT
MR THOMAS BUIJS
MR NGHIA LE TRUNG

Date : 06TH DECEMBER 2018 (Thursday)
Venue : ARMADA HOTEL,
Petaling Jaya, Selangor
Time : 9.00 a.m. – 5.30 p.m.

BEM Approved CPD/PDP Hours: 7.0
(IEM18/HQ/469/S)

LIMITED TO 50 SEATS ONLY

‘FIRST-COME-FIRST-REGISTRATION BASIS’

CLOSING DATE: 03RD DECEMBER 2018

OR if the Seminar Reach its
Target Registered Participants
NO ONLINE/OFFLINE Registration
will be allowed after the Closing Date

Organized & Hosted by:
Building Services Technical Division (BSTD), IEM

In Collaboration with :
ABB Malaysia Sdn Bhd

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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SPEAKERS



Jean Carlos Leicht

Mr. Jean Carlos Leicht graduated in Electrical and Telecommunication Engineering from University of Blumenau (2003), received his MBA in Industrial Management from Getulio Vargas Foundation (2010) and a second MBA in Strategic Business Administration from FIA – Foundation Institute of Administration (2013).

Mr. Jean has over 15 years of experience in the Power Grids segment with focus on Distribution & Power Transformers that includes Design Electrical Engineer, Industrial Process Engineering, Maintenance, Quality Assessment and Engineering Application over energy efficiency, renewable energy and data centers. He is also responsible for Sales and Marketing, where he has held local and international management positions for the last 10 years. He has been working in the Transformer Business Unit for 14 years and he is now the HUB Asia Specialist for the Transformer Digitalization and Energy Efficiency.



Thomas Buijs

Mr. Thomas Buijs is based out of Quebec city, Canada. He graduated from Laval university with a Bachelor Degree in Physics (1988) and McGill University with a Master Degree in Chemistry (1991). Thomas helped develop the first M100 Infrared spectrometer when he was in Bomem. Since then he has worked on most analyzer and sensor product lines in the company starting on the R&D side of the business.

In 2002 Thomas been transitioned in technical marketing and was Product Manager for a number of analyzer products. Thomas became the Marketing Manager of the ABB PAT Center of Excellence (collaboration between ABB Measurement & Analytics and ABB Control Systems) in order to grow the footprint of ABB into Life Sciences. Has had various roles over 35 years with ABB as a Development Engineer, Project Manager, Product Manager and most recently as Global Sales Manager for transformer monitoring sensors and smart devices.



Nghia LeTrung

Mr. Nghia LeTrung is based in Hanoi, Vietnam. He graduated from Hanoi University of Technology with Master Degree of Engineering in 1993. Mr Nghia have been in the electrical industry for 25 Years. Mr Nghia has more than 12 years working in Oil and Gas industry, in various positions including Technical Manager for ExxonMobil Vietnam, specialized in lubricants and specialties, including insulating fluid. In 2011, Mr Nghia joined ABB working in Transformer business unit.

He had worked in various positions in Sales and Marketing and is now Product Marketing Manager for both Distribution Transformer and Power Transformer factories in Hanoi.

SYNOPSIS

Session 1 :

Transformer Aging (Liquid), Life Cycle and Operation Cost of Transformer >

By Mr. Nghia LeTrung

Over the last decade there has been a renewed and increased interest in transformer life evaluation and monitoring. The main reason is that a large number of the transformers world population is approaching its expected end-of-life and the need increases for better methods to see whether the transformers are still fit for use or need to be retrofitted or replaced. In case of failure the possibility to reduce the outage time is usually important for the transformer owner.

The speaker seeks to explain to the audience how to keep aged assets up running at a minimum Total Cost of Ownership while ensuring a requested reliability. This question is the challenge that each and every asset manager face in his daily work.

Session 2 :

Transformer Aging (Dry), What to look for Transformer Aging : Visual and Test Verification > By Mr. Jean Carlos Leicht

While operating principles of transformers remain the same, the challenges of maintaining and testing transformers have evolved along with transformer design and construction. Modern transformers are designed to closer tolerances than transformers in the past. Hence, effective, regular maintenance and testing is even more essential to continued operation when traditional "overdesign" cannot be relied on to overcome abnormal conditions. Engineer must be familiar with all aspects of maintenance and testing and make use of state-of-the-art tools and techniques for evaluating transformer condition.

Session 3 :

Classification of IEC 60076-11 relates to Fire, Climates and Environment. FR3 Oil as an alternative to Silicon Oil for Liquid Filled Transformer. Good Construction material and design to prolong Transformer LCO

> By Mr. Nghia LeTrung

Backed by thousands of transformers on multiple continents and the recent publication of international standards, the life extension capability has been 'inverted', due to the transformer cost efficiencies enabled by designing high temperature insulation systems. Without degrading life expectations, smaller, optimised transformer designs are of keen interest to utilities globally. Natural ester dielectric fluids are increasingly being designed into transformers globally for one of three reasons – fire safety, environmental safety and insulation life extension.

Session 4 :

Transformer Intelligence and Digitalization : How it can assist to minimize Operation Risk and Save Operation Cost

> By Mr. Thomas Buijs

Smart sensor-based technology enables utility and industrial customers to optimize and manage their power transformer assets from 11 kV all the way up to 400 kV, enhancing performance, reducing costs and extending lifetime.

The speaker seeks to explain to the audience the new Transformer Intelligence™ concept is an innovative sensor based monitoring solution for transformer assets. Making transformers more intelligent enables condition-based maintenance and reduces operating costs. At the same time, the improved insights it delivers help enhance performance, reduce failure risks and extend lifetime.

PROGRAMME

TIME	PROGRAMME
08.30 – 09.00	<i>Registration and Welcome Coffee / Tea</i>
09.00 – 09.05	<i>Welcome Address & Introduction of Speakers</i>
09.05 – 10.00	SESSION 1 : Transformer Aging (Dry and Liquid), Life Cycle and Operation Cost of Transformer.
10.00 – 10.15	<i>Morning Tea Break</i>
10.15 – 12.00	SESSION 2 : Transformer Aging (Dry and Liquid), What to look for Transformer Aging : Visual and Test Verification.
12.00 – 13.00	<i>Lunch at Coffee House</i>
13.00 – 15.30	SESSION 3 : Classification of IEC 60076-11 Relates to Fire, Climates and Environment. FR3 Oil as Alternative to Silicon Oil for Liquid Filled Transformer. Good Construction Material and Design to Prolong Transformer LCO.
15.30 – 15.45	<i>Afternoon Tea Break</i>
15.45 – 16.30	SESSION 4 : Transformer Intelligence and Digitalization : How it can assist to minimize Operation Risk and Save Operation Cost.
16.30 – 17.30	Q & A Session and Discussion
17.30	End of Seminar

* IEM reserves the right to postpone, reschedule, allocate or cancel the course.

REGISTRATION FORMS

ONE DAY SEMINAR ON "TAKING TRANSFORMER INTELLIGENCE TO THE NEXT LEVEL"

06TH DECEMBER 2018

Fax: 03-7957 7678

Email: shahrul@iem.org.my

REGISTRATION FEE		
	ONLINE FEE (RM)	NORMAL FEE (RM)
IEM Members	RM 100.00	RM 130.00
Non-IEM Members	RM 200.00	RM 250.00

No	Name(s)	Membership No.	Grade	Fee (RM)*
SUB TOTAL				
<i>Total Payable</i>				

PAYMENT DETAILS :

Cash RM _____

Cheque no. _____ for the amount of RM _____ (non refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed "A/C Payee Only".

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person : _____ Designation : _____

Name of Organization : _____

Address : _____

Telephone No. : _____ (O) Fax No : _____ (O)

Handphone : _____ (HP) Email: _____

Signature & Stamp _____

Date _____

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- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

*** IEM reserves the right to postpone, reschedule, allocate or cancel the course.**

For further details, kindly contact:

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