Organised by Electrical Engineering Technical Division

WEBINAR ON THE TECHNOLOGY, DESIGN, FEATURES AND EVALUATION OF PROTECTIVE RELAY

BEM APPROVED CPD/PDP: 2 REF. NO.: IEM21/HQ/219/T (W)

Speaker:
Ir. Tay Siang Hui

4 SEPTEMBER 2021, SATURDAY
2PM - 4PM

Registration Fees
(effective 1st August 2020)
IEM Members : RM 15.00
IEM Non Members : RM 70.00
Register online I www.myiem.org.my

SYNOPSIS

This seminar discusses the flow of how a modern protective relay is constructed. The starting point will be a description on what are the current requirements of protection in electrical system and how the relay fits in it. The classification of protective relay are then examined by using the ANSI standard device numbers which identifies the main function of a protective devices and also based on the core technology it is use to construct it. A typically modern relay will be multifunctional that goes beyond its basic feature. The relay's feature will then be evaluated based on few main dimensions. The recent technologies and tools used in the design, fabrication and testing of modern protection relay are explored.
Next the seminar will detail how the performance of protection relay's is evaluated based on its product standard IEC60255 at steady state, transient and response to time varying value (Type testing of protective relay in 3rd party test laboratory). Finally, beyond its functionality performance, the evaluation of relays in terms of safety, reliability and EMC and how they are produced consistently are discussed. This seminar is targeted for electrical engineers or protection engineers who are involved in electrical system design, protection device selection and carrying out power system studies. It will also be helpful to service engineers and estimators whom is involved in relay selection based on application and project specification.

SPEAKER'S PROFILE

Ir. Tay Siang Hui is currently working as a Technical Marketing Manager in Mikro Sdn Bhd. He obtained his BEng (HONs) degree from Sussex University, UK, MSc. Eng from Multimedia University Malaysia and MBA from University Malaya with more than 20 years of experience in electronics and electrical industry. Prior to joining Mikro, he worked in O.Y.L. Research and Development Centre developing inverter type air conditioning system for variable speed control of induction and permanent magnet brushless DC compressor. In Mikro, he starts in R&D department developing products such as VCB controller, protective relay and power factor controller before transferring to marketing department. He has experience in areas such as power factor compensation system, protection system, protective relay and its application.