

TALK ON REQUIREMENTS FOR EQUIPMENT IN EXPLOSIVE ATMOSPHERES. (DESIGN, SAFETY, STANDARDS & CERTIFICATIONS)

(Organised by Electrical Engineering, Technical Division, IEM)

Date : 5th July 2018 (Thursday)
Time : 5.30pm – 7.30pm (*Refreshments will be served at 5.00pm*)
Venue : Tan Sri Prof, Chin Fung Kee Auditorium Wisma IEM, Petaling Jaya
Speaker : Mr. Basori b Hj. Selamat, Ir. Mohamad Faudzi b Mohd. Yasir and Ir Quah Ewe Hock.

BEM Approved CPD/PDP Hours: 2
Ref. No.: IEM/18/HQ/240/T

SYNOPSIS

IECEX Certification promotes safety at workplace by Mr. Basori b Hj. Selamat

Fires and explosion are the most likely the result of an accident either at an Oil and Gas plant, a petrochemical plant, an exploration platform or other industries, which could cause injuries, fatalities, property damages and environmental disaster. The personnel involved in accidents were often severely burned or permanently injured and some may lead to fatality. Some of these personnel will never be able to return to their jobs or to any occupation. Such accidents could be avoided if all personnel working in these industries is highly competent and qualified, and all equipment installed are of high quality and certified.

IEC Ex (IEC on Explosion-proof in Explosive Atmosphere) at National Standards, and Rotating Machine Standards in Hazardous Area by Ir. Mohamad Faudzi b Mohd. Yasir

The speaker will be sharing on the direction of national standards in the context of Oil and Gas Industry, in term how do we manage the standards of equipment installation in hazardous area. It defines the role of Standards Malaysia, the industry and the professional in Malaysia on IECEX.

He will be also sharing on installation of rotating machine in hazardous area, the criteria on hazardous area, the standards, hazardous area classification and practices.

Design, Selection & Erection of Equipment for Explosion Atmospheres in Tropical Service Conditions – IEC 60079-14 & MS 2894:2018 by Ir Quah Ewe Hock.

Ir. Quah will provide brief introduction to basic fire triangle for explosion, the common standards in use, how hazardous areas are classified and some common explosion protection techniques to help those new to this area. Talk will then cover the salient points in the IEC 60079 - 14 standards on design, selection and erection of electrical equipment in explosive atmospheres with emphasis on the requirements introduced in the recently approved Malaysian Standards MS 2894: 2018 on Electrical Equipment for use in Explosive Atmospheres in Tropical Service Conditions.

SPEAKERS' BIODATA

Mr. Basori b Hj. Selamat currently heading Product Certification & Inspection Department (PCID) of SIRIM QAS International since 2010, a wholly owned subsidiary of SIRIM. Possess a Bachelor Degree in Mechanical Engineering and Master in Manufacturing System Engineering from University Putra, Malaysia. He started his career as a Maintenance Engineer with IJM Engineering & Construction Works Berhad. He was a Factories and Machinery Inspector with Factory and Machinery Department of Malaysia attached and is a design approval of pressure vessel, boilers and lifting equipment division. He then joined SIRIM in 1991 as auditor Product Certification schemes for mechanical products, automotive component and building materials.

Ir. Mohamad Faudzi is currently PETRONAS Skill Group Advisor and Group Technical Authority (Electrical), attached with Group Technology Solutions, Project Delivery & Technology Division (PD&T Div.) since 2006. He graduated in 1986 with a Degree in Electrical Engineering (Power) from Universiti Teknologi Malaysia. Started his career as Electrical Engineers in few organisations such as Shell Refinery, and Sime Darby Engineering before joining PETRONAS in 1998 as Staff Engineer. In his current position, he is the group technical authority and leads PETRONAS Group Electrical fraternity setting groupwide standards practices, drives technology strategic development and coaching of junior engineers for capability development of Electrical Engineering.

Ir. Quah Ewe Hock is an IEC Expert member representing Malaysia in the IEC Standards for Explosive Atmospheres since 2003. He is the Expert member in the IEC standards Maintenance Team for : IEC 60079 - 1 (Flameproof Enclosures, Ex d); IEC 60079 - 14 (Design, Selection & Erection of Ex Equipment); IEC 60079 - 17 (Inspection & Maintenance of Ex Equipment); IEC 60079 - 18 (Encapsulation, Ex m); IEC 60079 - 19 (Repair & Overhaul of Ex Equipment). He obtained his B. E (Elect) degree from University of Malaya and is a register Professional Engineer with Practising Certificate. He has over 40 years' experience in explosionproofing engineering for hazardous areas in oil & gas facilities. He is involved in Explosionproofing Equipment, Solutions and Services as Managing Director of Ampmech Sdn Bhd.

Ir. Chong Chew Fan
Chairman
Electrical Engineering Technical Division

FEES ANNOUNCEMENT

(Effective: 1st October 2017)

Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
 - (a) Online RM15
 - (b) Walk-In RM20

Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- To secure your seat, kindly register online at www.myiem.org.my

Personal Data Protection Act:

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data.

CPD Hours Validation:

Name:

Membership No.:

Signature: