



IEM-STANDARDS MALAYSIA-PETRONAS IECEx NATIONAL VIRTUAL CONFERENCE 2020

ADVANCING SAFETY STANDARDS IN EXPLOSIVE ATMOSPHERES
& COVID-19 : THE NEW NORMS TOWARDS DIGITALISING AND
STRATEGISING

 **500+**
PARTICIPANTS

 **20 OCTOBER**
2020

 **GOTOWEBINAR**
PLATFORM

The world has changed. Safeguarding and strategising operations, liquidity, people-centric, global supply chains and markets for the 'new normal' is now the priority. Industries have to adapt to the pandemic situation and the ever evolving markets.

Security of supply, resources, and safety has become the main focus of the industries. COVID-19 has accelerated momentum towards the era of digitalisation and automation to equip the industries to manage business continuity, supply chains, and operations transitioning to resource efficient and sustainable economies.

DATE 20 OCTOBER (Tuesday)

TIME 8:30 a.m. - 5:00 p.m. (GMT +8)



The Institution of Engineers,
Malaysia (IEM)
Bangunan Ingenieur, Lot 60 & 62
Jalan 52/4, P.O. Box 223, 46720
Petaling Jaya, Selangor, Malaysia



(603) 7968 4001



alex.looi@live.com.my
valli@iem.org.my
sitiaisyah@iem.org.my

IEM-STANDARDS MALAYSIA-PETRONAS IECEX NATIONAL VIRTUAL CONFERENCE 2020

ADVANCING SAFETY STANDARDS IN EXPLOSIVE ATMOSPHERES
& COVID-19 : THE NEW NORMS TOWARDS DIGITALISING AND
STRATEGISING

WHY YOU SHOULD ATTEND

2020 IECEX National Virtual Conference is an important event which allows you to gain expert insight on the latest electrotechnical standards, technology, best practices, accelerating improvements in standards and regulations, and engineering challenges & opportunities with participants from engineering professionals, government officials & policy makers, standards organisations, manufacturers, suppliers & solution providers, owners & operators (industries such as oil & gas, petrochemical, plastics, solvents & paints, pharmaceutical, metal processing, vehicle manufacturing, food processing, etc.) on **all aspects of Electrical Equipment and Installations in Hazardous Areas**.

Jointly organised by the Institution of Engineers, Malaysia (IEM), Standards Malaysia, and Petronas, the conference intends to provide an effective platform to drive cross border flows and mobility of engineering technology and services, to share and exchange knowledge and experiences, as well as practical challenges encountered and solutions adopted in the fields of electrical equipment and installations in hazardous, flammable, or explosive atmospheres which include gases, vapours, mists, and dusts.

The virtual conference will feature keynotes and presentations on the following themes: IECEX Global Certifications & Current Trends; IECEX Electrical Installations Designs and Selection; MRO of Ex Equipment; Area Classification & Protection Techniques; and IECEX Certification of Personnel Competence.

One of the highlights of the virtual conference is the panel discussion on "IECEX Global Supply Chains, COVID-19 Impact on the Energy Sector, Opportunities & Challenges", which is designed to create an impact to connect the participants with industry experts in an interactive and engaging environment.

CONNECT . EXCHANGE . IMPACT

Tentative Programme

20th October 2020 (Tuesday) – Virtual Conference

Time	Programme
8:30 AM	Registration and Webinar Setup for IECEX National Virtual Conference 2020
9:00 AM	<i>Welcoming Address</i> Ir. Ong Ching Loon President of the Institution of Engineers, Malaysia (IEM)
9:10 AM	<i>Opening Address</i> En. Shaharul Sadri Alwi, Director General of Standards Malaysia
	KEYNOTE
9:20 AM	<i>Main Keynote</i> Mr. Shawn Paulsen Vice-President of the International Electrotechnical Commission (IEC) & Chair of the Conformity Assessment Board (CAB)
	Session Begins
9:30 AM	<i>The New Norms on O&G Industry and Supply Chain – Covid 19 and Ex Atmosphere</i> Ir. Salmey Abdul Halim Group Technical Authority (GTA) of Petronas & Chairman of National IECEX Technical Committee
10:00 AM	<i>IECEX Scheme for Certification of Personnel Competencies (CoPC) for Explosive Atmosphere</i> Ir. Syed Fadzil Syed Mohamed SIRIM QAS International
10:30 AM	<i>Coffee Break</i>
10:50 AM	<i>IECEX Electrical Installations Design, Selection, Erection, and Inspection</i> Ir. Abd Wahid Bin Jafar Petronas
11:20 AM	<i>Ex Equipment Maintenance, Repair and Overhaul (MRO) - Practical Approach in Petronas</i> Ir. Umar Zakir Bin Ahmad Petronas
11:50 AM	<i>MS 2694:2018 on Electrical Equipment for Use in Explosive Atmospheres in Tropical Service Conditions</i> Ir. Quah Ewe Hock The Institution of Engineers, Malaysia (IEM)
12:20 PM	<i>Prevention of Fires & Explosions and Best Practices for Fire Protection Systems</i> Mr. Murugiah a/I Murugiah Fire and Rescue Department of Malaysia (BOMBA)
12:50 PM	<i>Lunch Break</i>
2:00 PM	<i>National Occupational Accident and Diseases Statistics 2019 and its Potential Impacts</i> Ir. Dr. Majahar Bin Abd Rahman Department of Occupational Safety and Health Malaysia (DOSH)
2:30 PM	<i>Electrical Accident and Mitigation Plan</i> Ir. Md Zakuan Bin Ibrahim Director of Department of Safety Regulation of Energy Commission of Malaysia
3:00 PM	<i>IECEX Global Certification and Current Trends</i> Mr. Paul Meanwell Chairman of IECEX
3:30 PM	<i>Coffee Break</i>
3:50 PM	<i>Panel Discussion: IECEX Global Supply Chain, COVID-19 Impact on the Energy Sector, Opportunities & Challenges</i> Moderated by Mr. Chris Agius Executive Secretary of IECEX
4:30 PM	Question and Answer Session
5:00 PM	<i>Closing Address</i> Ir. Francis Xavier Jacob Chairman of IEM Electrical Engineering Technical Division (IEM EETD)
5.10 PM	Virtual Conference Ends

OFFICIAL SPONSORS & SUPPORTING PARTNERS

GOLD SPONSORS



SUPPORTING PARTNERS



SPEAKERS



MAIN KEYNOTE

Mr. Shawn Paulsen
Vice-President of the International Electrotechnical Commission (IEC) & Chair of the Conformity Assessment Board (CAB)

Mr Paulsen began his three-year term as Chair of the Conformity Assessment Board and IEC Vice-President on 1 January 2018. At present, he is the Manager of Conformity Assessment within the CSA Group in Canada. Previously he was the Chief Electrical Inspector in the Department of Public Safety for the New Brunswick Provincial Electrical Regulator and was the Provincial representative on national codes, standards and conformity assessment committees. Mr Paulsen was a member of the CAB from 2012 to 2017 and has wide experience in both technical and policy standards work having been involved with a number of Canadian and international activities.



The New Norms on O&G Industry and Supply Chain – Covid 19 and Ex Atmosphere

Ir. Salmey Abdul Halim
Group Technical Authority (GTA) of Petronas & Chairman of National IECEx Technical Committee

Ir. Salmey has 28 years working experience of which 22 years were related to power industries with direct involvement in PETRONAS Capital projects under various roles and responsibilities. He graduated from University of Sheffield, UK in 1991 and currently works as Custodian Electrical while carrying the role of Group Technical Authority (GTA) and as Advisor for Electrical Skill Group fraternities. His professional industry affiliations include sit as a Chairman of National Technical and Management Committee for Explosion Proof Equipment of Malaysia. He also sits as Industry Advisory Panel for Electrical Engineering Faculty, University Technology PETRONAS.



IECEx Scheme for Certification of Personnel Competencies (CoPC) for Explosive Atmosphere

Ir. Syed Fadzil Bin Syed Mohamed
SIRIM QAS International Sdn Bhd

Ir. Syed Fadzil Bin Syed Mohamed is a Registered Professional Engineer with Practising Certificate (PEPC) with the Board of Engineers Malaysia (BEM). He is also a Chartered Engineer (CEng) by Engineering Council, UK and Member of the Institution of Mechanical Engineers, UK (MIMechE). He received his B.Eng (Honours) degree from the University of Paisley, Scotland, United Kingdom. His work experience and passion includes; Pressurised Equipment Inspection, Vendor Inspection, Conformity Assessment, Fitness For Service (FFS) Assessment and Risk-Based Inspection. He is also an examiner for the IECEx Certification of Personnel Competence (CoPC) scheme for Hazardous / Explosive Area and Technical Assessor for Malaysia Inspection Bodies Accreditation Scheme (MIBAS), under the Standards Malaysia.



IECEx Electrical Installations Design, Selection, Erection, and Inspection

Ir. Abd Wahid Bin Jafar
Petronas

Ir. Abd Wahid bin Jafar graduated from University of Malaya in 1999. He has 20 years working experience in the Oil and Gas industry covering Engineering, project execution and Maintenance field. He is an active team member for the development of the Company Technical Standard and Core Skill Development training module. Since 2012 he has been appointed as the Technical Committee member for Ex subject matter at the National level and providing technical expertise to SIRIM Berhad for IECEx CoPC certification.



Ex Equipment Maintenance, Repair and Overhaul (MRO) - Practical Approach in Petronas

Ir. Umar Zakir Bin Ahmad
Petronas

Ir. Umar Zakir graduated from Universiti Kebangsaan Malaysia (UKM) in 1996 with Bachelor of Electrical, Electronic and System Engineering. He has 23 years of working experience in the operation, engineering and maintenance of electrical installation in O&G. He is a certified CompEx and IECEx for inspection, selection, installation and maintenance of Ex equipment. He is a regular trainer on Ex module training in PETRONAS Skill Group Development and being one of the founding members of the local IECEx Personal Competency assessment and Ex Service Facility. He is currently a Principal Engineer (Generation) that is responsible as the Company Technical Authority for the Electrical engineering, operation and maintenance. He currently representing Malaysia as the member in IEC TC31/Workgroup 27.

SPEAKERS



MS2694:2018 on Electrical Equipment For Use in Explosive Atmospheres in Tropical Service Conditions

Ir. Quah Ewe Hock
The Institution of Engineers, Malaysia (IEM)

Ir. Quah Ewe Hock is an IEC Expert member since 2003 in the TC31 & TC31G committees for the IEC standards on Explosive Atmospheres, viz IEC 60079-1 (Flameproof Enclosures, Ex d); IEC 60079-7 (Increased Safety, Ex e); IEC 60079-14 (Design, Selection & Erection of Ex Equipment); IEC 60079-17 (Inspection & Maintenance of Ex Equipment). He is the Vice-Chairman for Technical Committee for Equipment for Explosive Atmospheres (TCEEA), Malaysia and Chairman of TCEEA's Working Group 1&5. He leads the MS 2894:2018 Electrical Equipment for Use in Explosive Atmospheres in Tropical Service Conditions development and maintenance. He is involved in Explosionproofing Equipment, Solutions and Services as Chief Operating Officer of Ampmech Industries Sdn. Bhd.



Prevention of Fires & Explosions and Best Practices for Fire Protection Systems

Mr. Murugiah a/l Murugiah
Fire and Rescue Department of Malaysia (BOMBA)

AFC Murugiah Muthusamy joined the Fire and Rescue Department in 1989. He has held various operational and administrative positions and is currently the Head of Operation Management Branch in Fire and Rescue Department Malaysia. Currently he is also a national inspector for chemical weapon under National Authority for Chemical Weapons Convention (NACWC) and a certified trainer for Organisation for the prohibition of Chemical Weapons (OPCW) UN, Southeast Asia Regional Centre for Counter Terrorism (SEARCT) under the Ministry of Foreign Affairs, Malaysia and Science, Technology Research Institute for Defence (STRIDE) under Ministry of Defence Malaysia.



National Occupational Accident and Diseases Statistics 2019 and its Potential Impacts

Ir. Dr. Majahar Bin Abd Rahman
Department of Occupational Safety and Health Malaysia (DOSH)

Ir. Dr. Majahar Bin Abd. Rahman has served in DOSH since 1992, currently holding the position of Director of the Policy, International and Research Planning Division. Is a professional engineer in the field of Chemical Engineering and holds a PHD and a master's degree in OSH from UKM and Brunel University, London. Currently involved directly in the process of reviewing, planning, development and monitoring of national OSH policies, master plan, legislation, international convention and data analysis of national OSH performance. Representing the country in various programs including in ASEAN OSHNET Master Plan Development 2020-2025, ILO Resource Person For ILO Project in Myanmar, Presentation at the Program Organized by Organisation for the Prohibition of Chemical Weapon (OPCW).



Electrical Accident and Mitigation Plan

Ir. Md Zakuan Bin Ibrahim
Director of Department of Safety Regulation of Energy Commission of Malaysia

Ir. Md Zakuan bin Ibrahim having worked in electrical and piped gas sectors for 31 years, joined Energy Commission (ST) in January 2002. Currently he is the Director of Safety Regulation, ST since June 2019. His department is responsible to ensure and protect industry from dangers arising from the generation, transmission, distribution, supply and use of electricity and the distribution, supply and use of piped gas with the related Acts and Regulations. He is the Chairman of Technical Committee on Electrical Installation, Protection and Insulation Practices (TC/E/14), Chairman of Technical Committee on IECEE CMC and Permanent Members of many other TCs. He is also the Delegate representing Malaysia for ASEAN JSC EEE MRA, APEC JRAC EEE and IEC General Meeting.



IECEX Global Certification and Current Trends

Mr. Paul Meanwell
Chairman of IECEX

Mr. Paul Meanwell was born in the United Kingdom in 1959. After leaving school he started his career in electrical engineering in the coal mining industry with the British National Coal Board (NCB) and studied further for his DMIHE (UK) certificate in electrical engineering. He remained with the NCB for eight years before emigrating to South Africa at the age of 25 with the Gencor mining group. He became involved in the IECEX in 2006 and has served on a number of IECEX working groups including WG13, business development. In 2014 Paul developed and ran the English language section of an IEC60079-10 based workshop in the Democratic Republic of Congo at the request of the IEC affiliate programme. He was honoured with the IEC 1906 award in 2015 for his work in promoting IECEX.

VIRTUAL CONFERENCE REGISTRATION

The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lot 60&62, Jalan 52/4, P.O. Box 223 (Jalan Sultan)

46720 Petaling Jaya, Selangor Darul Ehsan, MALAYSIA

Tel. No.: +(603) 7968 4001 Fax No.: +(603) 7957 7678

REPLY SLIP Fax: 03-7957 7678 Email: alex.looi@live.com.my / valli@iem.org.my

BEM Approved CPD / PDP hours: 6

Ref. No.: IEM20/HQ/180/C

E-Cert will be issued to participants after the virtual conference

Conference Registration Fee

Category	Registration Fee (Subject to 6% SST)
Participants	One Day
Student Member	RM 50
Graduate Member	RM 100
Corporate Member	RM 150
Non-Member	RM 200

No.	Name of Participant(s)	Amount
1.		
2.		
3.		
4.		
5.		
6.		
Sub-Total Amount		
GRAND TOTAL		

CONFERENCE SPONSORSHIP FORM

REPLY SLIP

Fax: 03-7957 7678

Email: alex.looi@live.com.my / sitiaisyah@iem.org.my

Date:

Attention to:

IECEX National Virtual Conference 2020 Organising Committee
The Institution of Engineers, Malaysia

(PLEASE TICK "✓")			
TYPE OF SPONSOR	Gold	Silver	Bronze
For the amount of sponsorship, the coverage is given in "X".	RM1,500.00	RM1,200.00	RM800.00
Availability of sponsorship.	Six (6)	Eight (8)	Ten (10)
Company corporate logo will be displayed throughout the virtual conference promotional flyers & advertisement.	X	X	X
Company corporate logo will be included in the sponsorship section of programme booklet.	X	X	X
Brief intro about company / top management in programme booklet.	X		
Advertisement in programme booklet.	X (1 page in A4 size)		
Company logo will be shown at the landing page.	X	X	X
5-minutes of company presentation/corporate video slot during the virtual conference session break.	X		
Two (2) complimentary access passes to attend the virtual conference.	X	X	
E-Certificate of participation as conference sponsor.	X	X	
Access to resources (presentation materials, articles, post show reports, and database).	X	X	

- Jointly organised by IEM Electrical Engineering Technical Division, Standards Malaysia, and Petronas.
- By signing the contract of sponsorship, the Sponsor is deemed to have agreed / given permission to the following:
 - Logo submission for the purpose of marketing and advertising of the virtual conference.
 - The Organiser reserves the right to place the logo in any of the marketing collaterals across various platforms (print, digital, outdoor).
 - The Sponsors will need to submit the required logo and artwork for any of the marketing collaterals usage not later than 30th September 2020, in which failure to do so, logo and advertisement will not be placed.
- The Organiser reserves the right to change the date and/or venue or to postpone the event due to force majeure at its sole discretion.

It is our pleasure to inform that we would like to sponsor **IEM-STANDARDS MALAYSIA-PETRONAS IECEX NATIONAL VIRTUAL CONFERENCE 2020** as ticked in the box and enclose herewith Banker's Cheque / Local Cheque No.: _____ issued to 'The Institution of Engineers, Malaysia' for the sum of Ringgit Malaysia _____.

Our nominated contact representative is:

Contact Name: _____ Contact No.: _____
Billing Address: _____
Email: _____

Yours faithfully,

Name Designation Company Stamp

IEM-STANDARDS MALAYSIA-PETRONAS IECEX NATIONAL VIRTUAL CONFERENCE 2020

ADVANCING SAFETY STANDARDS IN EXPLOSIVE ATMOSPHERES
& COVID-19 : THE NEW NORMS TOWARDS DIGITALISING AND
STRATEGISING

PARTICIPANTS PROFILE

- Government Officials and Policy Makers
- Government Energy and Regulatory Departments
- Engineering Competent Persons
- Engineering Consultants and Practitioners
- Engineers and Technologists from industries such as oil & gas, petrochemical, plastics, solvents & paints, pharmaceutical, metal processing, vehicle manufacturing, food processing, etc
- Manufacturers and Suppliers of Industrial and Allied Equipment
- Engineering Universities Faculties
- Technical and Vocational Education and Training Faculties
- General Contractors
- Facility Managers and Power Industry OEMs



IEM-STANDARDS MALAYSIA-PETRONAS IECEX NATIONAL VIRTUAL CONFERENCE 2020

ADVANCING SAFETY STANDARDS IN EXPLOSIVE ATMOSPHERES
& COVID-19 : THE NEW NORMS TOWARDS DIGITALISING AND
STRATEGISING

CONNECT . EXCHANGE . IMPACT