



HALF DAY SEMINAR ON “DESIGN AND OPERATION CONSIDERATIONS ON ACMV SYSTEM IN MITIGATING COVID-19 TRANSMISSION” {HRDF Claimable}

SPEAKER ;
Ir. HAJI ARUL HISHAM BIN ABDUL RAHIM

Date : 31ST MARCH 2021 (Wednesday)
Time : 9.00 A.M. – 1.00 P.M.
Platform : VIRTUAL Seminar via ‘GoToWebinar Platform’

**BEM Approved CPD/PDP Hours: 3.5
IEM20/HQ/067/S(w)**



Closing Date: 24TH MARCH 2021

NO online registration will be allowed after the Closing Date

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

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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**“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”.
For intending participants who choose to ‘walk in without prior registration’,
IEM SHALL NOT be responsible for any direct or consequential losses”.**

SPEAKER



Ir. HAJI ARUL HISHAM BIN ABDUL RAHIM

Ir. Haji Arul Hisham graduated from The University of Texas at El Paso, USA in 1987 with a Bachelor Degree In Mechanical Engineering. He is also registered Professional Engineer with the Board of Engineer since 1993 and a Fellow with the Institution of Engineers Malaysia. He holds qualifications as Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga Malaysia and a Commissioning Specialist with Green Building Index (GBI).

He is also a member of Association of Consulting Engineers Malaysia (ACEM), American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE) and International District Energy Association (IDEA)

Ir. Arul Hisham has over 30-years of experience in design, project supervision, energy audits, plant and building commissioning. He has also worked as project management consultant at various commercial office buildings and data center developments for multi-national companies in Cyberjaya.

His passion is on district cooling (DC) having consulted in many DC projects such as Cyberjaya, Kuala Lumpur Sentral, upgrading of Putrajaya's Plant 1, 2 and PICC, new Plant 4 and refurbishment of KLIA plant. He was also responsible in developing DC plants at UiTM Shah Alam, UiTM Puncak Alam and USIM, Nilai.

He specializes in thermal storage system (chilled water and ice) design, air conditioning systems design and energy efficiency. His works include formulation of chilled water tariff, techno-legal aspects and business modelling of energy business.

In the academia, having started his career as a lecturer at the University of Technology Malaysia in the late 80s and early 90s, he also served as industrial advisor at Faculty of Engineering, University Industry Selangor (Unisel), adjunct lecturer at Unisel, Malaysian French Institute (MFI, Bangi) in mid-2000s and has been regularly giving lectures to engineering students at various local universities.

Recently, he has audited indoor environmental qualities (IEQ) at hospital and airport particularly on the issue of condensation and humidity control vis-à-vis system's operation and control.

Ir. Arul Hisham is currently a senior partner at a MEP consultancy practice AHAR Consultants PLT and AHARC Lestari PLT; an energy service (ESCO) company.

SYNOPSIS

Since the Movement Control Order 1.0 (MCO) was introduced from March 18, 2020 and subsequent MCO 2.0 in January 2021, social media apps WhatsApp and Facebook have not been silent with various comments by netizens about the Covid-19 virus and its effects to humans. What an irony that such a microscopic creature is able to create a huge pendemonium on human life.

Humans are exposed to various types of bacteria and viruses at all times; but it is only that certain types of bacteria and viruses that can be harmful to human health. In addition, people spend a lot of time living in the office. Generally, one third of our time daily is spent in the office. Have we ever wondered, is the air in our office really clean? Are we free from infection if the air in the office is exposed to various pathogens? Have we ever had a bad odor when entering a hotel room?

Despite various administrative control SOPs that have been recommended by the authorities, the spread of Covid-19 is still rampant in the community. Business and economic activities need to continue; hence, we must learn to live with the virus. The question is; how do we make our workplace safe and not becoming an agent to the disease transmission?

This course provides an overview of engineering controls that must be considered in the design and operation of ACMV system to mitigate the spread of pathogens in the air-conditioning system. Moving forward, these engineering controls would become the **new norm** in the future building design as new types of virus may continue to haunt mankind.

PROGRAMME

TIME	TOPICS
9.00 a.m. – 9.10 a.m.	Seminar Start Welcoming & Introduction
9.10 a.m. – 10.40 a.m.	Session 1 (1.5 hours)
10.40 a.m. – 10.50 a.m.	Break Time
10.50 a.m. – 12.20 p.m.	Session 2 (1.5 hours)
12.20 p.m. – 12.30 p.m.	Break Time
12.30 p.m. – 1.00 p.m.	Questions & Answers Session (0.5 hour) End of Seminar

{PLEASE LOG IN WITH THE LINK PROVIDED BEFORE 9.00 A.M. ON THE DAY OF EVENT}

For further details, kindly contact:

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Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor
Tel: 603-7968 4001/2 Fax : 603-7957 7678 Email : shahrul@iem.org.my

REGISTRATION FORM

HALF DAY SEMINAR ON "DESIGN AND OPERATION CONSIDERATIONS ON ACMV SYSTEM IN MITIGATING COVID-19 TRANSMISSION"

31ST MARCH 2021 via GoToWebinar Platform)

Fax: 03-7957 7678

Email: shahrul@iem.org.my

REGISTRATION FEE : 6% SST EFFECTIVE 01ST MARCH 2019 & (HRDF Claimable)

EARLY BIRD FEES (10% DISCOUNT – for Registration before 3rd March & Full Payment before 10th March 2021)

	Early Bird Fees (10% Discounted)	Virtual Online Fee	Virtual Normal Fee
Student Member	RM 36.00	RM 40.00	RM 50.00
Graduate Member	RM 67.50	RM 75.00	RM 90.00
Corporate Member	RM 112.50	RM 125.00	RM 150.00
Non IEM Member	RM 216.00	RM 240.00	RM 300.00

No	Name(s)	IEM Membership No.	Grade	Fee (RM)*
SUB TOTAL				
(Please ADD + 6% SST				
TOTAL PAYABLE				

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'. Bank Account No. : 640320010020215,
Bank Name: Alliance Bank Malaysia Berhad. (SHOULD PAYMENT IS MADE, KINDLY EMAIL THE 'BANK-IN-SLIP' TO IEM FOR VERIFICATION BEFORE THE EVENT FOR EASY REGISTRATION)

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

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising 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.