

THE ART OF HANDLING AIR

SEMINAR 2019

11th October 2019 8.30am - 5.00pm

NUSS Guild House - Cluny Room

** Registration starts at 8.30am, Seminar commences at 9.00am sharp*

Topics

Air distribution technology

Thermal displacement ventilation systems

Damper selection and application

Fire and smoke control in HVAC systems

Noise control in HVAC systems

VAV terminal units

Chilled beam systems

If you are keen to attend this event, kindly contact us:

Ms Teri Tong

Email : teri@troxmal.com.my

Mr Melvin Thong

H/P : 9362 2057 Email : melvin@troxmal.com.my

Mr Desmond Tan

H/P : 9736 9956 Email : desmond@amasia.sg

Registration latest by : 30th September 2019

CPD : PDU points (to be confirmed)

Supported by



ASSOCIATION OF
CONSULTING ENGINEERS
SINGAPORE

SPEAKER: Kenneth Gong

Name: Kenneth Gong
Job Title: Technical Manager
Company: TROX Malaysia Sdn Bhd
e-mail: kenneth@troxmal.com.my
Off. Tel.: +6 06-678 8188 (ext. 350)



PROGRAM OUTLINE FOR TECHNICAL PRESENTATIONS:

Time	Topic
8.15 am	Registration
8.30 am	1. AIR DISTRIBUTION TECHNOLOGY <u>Objectives:</u> To provide an introduction to different types of air terminal devices that are available in the HVAC industry; common terminologies that are used to describe aerodynamic performance, such as throw, spread and drop; selection, application and design guidelines for good engineering practice including installation of these devices.
9.30 am	2. THERMAL DISPLACEMENT VENTILATION SYSTEMS <u>Objectives:</u> To provide an introduction to under-floor ventilation air distribution (UFAD) system and displacement ventilation system; to highlight their pros and cons and how to avoid design pitfalls. Will also be sharing some experience gained from a few working installations in the tropics.
10.30 am	Light refreshments
10.45 am	3. DAMPER SELECTION AND APPLICATION <u>Objectives:</u> To provide an introduction to different type of dampers that are available in the industry; to discuss the importance of damper performance criteria and related standards, damper application, selection and how they should be installed.
11.45 am	4. FIRE AND SMOKE CONTROL IN HVAC SYSTEMS <u>Objectives:</u> To provide an introduction to different types of fire, smoke and combination fire & smoke dampers; standards relating to fire and smoke dampers; to discuss their application, selection and installation guidelines.
12.45 pm	Lunch
1.45 pm	5. NOISE CONTROL IN HVAC SYSTEMS <u>Objective:</u> To provide an introduction to terminologies to describe the acoustic performance of air conditioning components and in buildings. Typical noise sources that are commonly encountered in the HVAC systems and how they should be controlled, including selection and application of in-line duct silencers and acoustic weather louvers.
2.45 pm	6. VAV TERMINAL UNITS – Application and Selection <u>Objectives:</u> To provide an introduction to different types of VAV terminal units available in the industry; selection and application of VAV terminal units; methods of control; key features of a typical VAV terminal unit and installation guidelines.
3.45 pm	Light refreshments
4.00 pm	7. CHILLED BEAM SYSTEMS – Application and Selection <u>Objectives:</u> To provide an introduction to chilled beam systems, different types of chilled beams and their pros and cons; how to avoid design pitfalls; application, selection and installation guidelines. Will also be sharing some experience on a few working installations in the tropics.
5.00 pm	End of Seminar