

**Young Engineer Section (YES)**

The Institution of Engineers, Malaysia  
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 Website: www.myiem.org.my

**GST is implemented effective 1 April 2015**

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**REGISTRATION**

Half Day Course on Introduction to District Cooling –  
 An Energy Efficient Utility Service for the Modern City  
 2 December 2017

Name(s)	IEM M'ship No. & Grade	Fees (RM)
1.		
2.		
SUB TOTAL		
ADD GST @ 6%		
<b>TOTAL PAYABLE</b>		

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

(Please write clearly as the "Confirmation Notification" will be sent via email)

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**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'.

**Terms & Conditions:**

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on registration.**
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail 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. Registration fee includes lecture notes, refreshment and lunches.
- 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.



The Institution of Engineers, Malaysia

Half Day Course on  
 Introduction to District Cooling –  
 An Energy Efficient Utility Service for the Modern City

BEM Approved CPD/PDP Hours: 3.5 Hours  
 Ref. No: IEM17/HQ/307/C(a)

Jointly Organised by:

Young Engineers Section & Mechanical Engineering Technical Division  
 The Institution of Engineers, Malaysia

**2 December 2017 (Saturday)**

**9.00am – 1.00 pm**

**Le Quadri Hotel**

**Jalan Choo Lip Kung, Taman Taynton View,  
 56000 Batu 9 Cheras, Kuala Lumpur**

**REGISTRATION FEES (Subject to GST)**

Grade	Online Fee	Normal Fee
<b>IEM Student Member</b>	75.00	90.00
<b>IEM Graduate Member</b>	125.00	150.00
<b>IEM Corporate Member</b>	200.00	225.00
<b>Non - member</b>	250.00	300.00

Register online at [www.myiem.org.my](http://www.myiem.org.my)

Closing Date: 29 November 2017



## SYNOPSIS

In a District Cooling System (DCS) cooling energy (usually in the form of chilled water) is produced at a central generation plant and is delivered to end-users via a network of distribution piping for the purpose of space or process cooling.

The DCS can be in the form of a public utility or user owned. The end-users of a DCS enjoy many benefits including economy of scale, reduced capital investment, lower operation and maintenance cost and lower electricity bill.

Ever since the development of the first district cooling system in the USA in 1880's, the concept has come a long way and in the past decade has seen tremendous growth worldwide.

This half-day course discusses the design principles for an efficient and reliable district cooling system. It covers the various equipment/technology available for a DCS system and the key design issues crucial to the success of a DCS.

## BIODATA OF SPEAKER

Mr. Danny Tam Hong Khai is an alumnus of the National University of Singapore, having graduated in 1994 with a Bachelor's degree in Mechanical Engineering. He has been involved in the District Energy industry since 1998, and has accumulated more than 19 years' experience in the turnkey construction of District Cooling and Cogeneration plants in Malaysia, Thailand, Singapore and the UAE.

Mr. Danny has long been an ardent advocate of District Energy Systems as an eco-friendly solution, and this has led him to regularly share his experience and expertise at various lectures, seminars and conferences organised by the Institution of Engineers Malaysia, ASHRAE (Malaysia Chapter), Fleming Gulf, Hong Kong Institution of Engineers and Politeknik Ungku Omar.

Mr. Danny's extensive portfolio of District Energy Plants include the following major projects: Cogeneration District Cooling Plant for Suvarnabhumi Airport (Bangkok, Thailand), District Cooling Plant Biopolis (Singapore), 3 Plant District Cooling Network for Discovery Gardens (Dubai, UAE), 2 Plant District Cooling Network for Palm Jumeirah Trunk Crown (Dubai, UAE), Cogeneration District Cooling Plant for Universiti Teknologi Petronas (Tronoh, Perak), Cogeneration Power Plant for Petronas Penapisan Melaka (Sungai Udang, Melaka), CUP-2 Cogeneration Power Plant for Rayong Industrial Estate (Rayong, Thailand), Cogeneration Power Plant for Petronas Fertilizer Kedah (Gurun, Kedah), Cogeneration Power Plants for Petronas Gas Processing Plants A & B (Kerteh, Terengganu), District Cooling Plant for KLIA2 (Sepang, Selangor), District Cooling Plant for Abu Dhabi Airport Mid Field Terminal (Abu Dhabi, UAE) and Cogeneration Power Plant for Toray Industries (Prai, Penang).

Mr. Danny currently holds the position of General Manager (Technical) at Kuala Lumpur Engineering Centre, Shinryo Corporation's design and engineering center for District Energy projects. Amongst his current District Energy projects are the District Cooling Plant serving Menara PNB 118 in Kuala Lumpur, an iconic development consisting of an 118 storey skyscraper (630m tall) together with a shopping complex, office buildings and residential suites, and the Cogeneration Plant Expansion at Utilities Gebeng serving the Gebeng Integrated Petrochemical Complex (IPC).

## TENTATIVE PROGRAMME

Time	Title
08.30 am - 09.00 am	Registration
09.00 am - 10.30 am	Section 1
10.30 am - 11.00 am	Tea Break
11.00 am - 12.30 pm	Section 2
12.30 pm - 01.00 pm	Q & A Section
1:00 pm	End of Section

## CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

## PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.