

**Organizer :**



**Supporting Organizations :**



**New Generation Centrifugal Chiller using Low GWP Refrigerants,  
Beyond Refrigerants & Magnetic Centrifugal Chiller Unit**

**Date** : 11 December 2018 (Tuesday)  
**Time** : 2:00pm – 5:30pm Seminar (Registration will start at 1:15pm)  
**Venue** : Macao Studio City (3/F - Grand Ball Room No. 3)

**Seminar Program:**

1:15PM – 1:50PM	<b>Registration</b>
1:50PM – 2:00PM	<b>Welcome Address and Opening Speech</b> <i>Mr. Syed Mubarak, President - ASHRAE MACAO Chapter</i>
2:00PM – 2:45PM	<b>New Generation Centrifugal Chiller using Low GWP Refrigerants</b> <i>Mr. Yoshinori Shirakata, Manager of Engineering Section, Chiller &amp; Heat Pump Engineering Department, Mitsubishi Heavy Industries Thermal Systems (MTH) in Japan</i>
2:45PM – 3:30PM	<b>Beyond Refrigerants : What's in store after HFOs &amp; Naturals?</b> <i>Mr. Thiam L. Chen, P.E., CEng. CEO of Primetech Engineers, an Engineering Consultancy Practice in Malaysia.</i>
3:30PM – 3:45PM	<b>Tea Break</b>
3:45PM – 5:15PM	<b>Magnetic Centrifugal Chiller Unit - a New Tool for Energy Saving</b> <i>Mr. Wang Mao Jung, The Principal of Mao Jung Energy Service &amp; Management Consulting Co., Ltd at Taiwan. Energy Saving Consultant for various Taiwan Engineering Companies, such as Delta Electronics, CompAir Energy Technology, J-Power Systems Engineering, etc. Independent Director, Shenghui Engineering Technology Co., Ltd at Taiwan</i>
5:15PM – 5:30PM	<b>Question and Answers</b> <i>Moderated By: Ir Peter Chan, Immediate Past President - ASHRAE MACAO Chapter</i>

<b>Language:</b>	English / Mandarin	<b>Application Deadline :</b>	4 December 2018
<b>Fee :</b>	Free of Charge	<b>Seat :</b>	100 ; First Come, First Served
<b>On-Line Registration</b>	<a href="https://docs.google.com/forms/d/e/1FAIpQLSeEiwvgkFiQ6viba40rGJsy-UMOTE5LPhbUG1vuXYc56PUITQ/viewform">https://docs.google.com/forms/d/e/1FAIpQLSeEiwvgkFiQ6viba40rGJsy-UMOTE5LPhbUG1vuXYc56PUITQ/viewform</a> Successful applicants for the Technical Seminar will be notified by e-mail on or before 6 December 2018.		
<b>Enquiry :</b>	Please contact Mr. Dickson Yeung at info@ashrae-macao.com (852) 6399 5643 / (853) 6288 5380		
<b>Remark:</b>	3-Hour CPD certificate will be provided and distributed after the Technical Seminar. (Remarks: CPD Application to Macau Government CAEU 建築、工程及城市規劃專業委員會 is in process.)		



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港澳會員聯絡專員辦公室  
CMES Liaison Officer  
Membership Office  
(Hong Kong and Macau)



澳門機電從業員協會  
Associação dos Profissionais de Electromecânica de Macau  
Macau Electrical & Mechanical Professionals Association



中國綠色建築與節能(澳門)協會  
China Green Building and Energy Saving (Macau) Association



澳門物業設施管理協會  
Macau Properties and Facilities Management Association



**New Generation Centrifugal Chiller using Low GWP Refrigerants,  
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**Speakers:**

**Mr. Yoshinori Shirakata (白方芳典 先生),**

Manager of Engineering Section, Chiller & Heat Pump Engineering Department, Mitsubishi Heavy Industries Thermal Systems (MTH) in Japan.

With a total of more than 24 years' experience in the engineering of centrifugal chillers, heat pumps and plants engineering, including 2 years' experience in the development of heat exchangers in R&D center of Mitsubishi Heavy Industries.



**Mr. Thiam L. Chen, P.E., CEng.**

CEO of Primetech Engineers, an Engineering Consultancy Practice in Malaysia.

He graduated with a 1st Class Honours in Mechanical Engineering from the University of Leeds, England, and has been in the building services industry for over 35 years. His project portfolio includes the Kuala Lumpur International Airport, the Kuala Lumpur Central Train Station, the Kuala Lumpur Convention & Exhibition Centre, and award winning Energy Efficient and Green buildings.

Chen has authored articles and papers on Fire Protection, Smoke Management, Air-Conditioning and Refrigeration, CFC issues, Energy Issues, Intelligent Buildings and Sustainable Buildings. He served as an expert consultant to develop the National Energy Efficiency Master Plan for Malaysia, the National Mega Science Framework Study for the Energy Sector, the National CFC & HCFC Phase-out Master Plans, and sat in the National Steering Committees on ODS, BIPV and Energy. Chen was instrumental in drafting the National Uniform Building Bylaw on Energy Efficiency and contributed to the development of various Malaysian Standards. He is renowned for his innovative and daring design work, which culminated in his award winning designs for the New Securities Commission HQ Building and the 'Diamond Building' in Malaysia. Chen works with and encourages local manufacturers to carry out R&D in conjunction with his ideas to successfully manufacture new HVAC products.



He led the development of Malaysia's Green Building Rating System – the Green Building Index (GBI) in 2009. Since then he has continued to develop new rating tools for other categories of buildings while spearheading the green movement in Malaysia.

Chen served as president of the Association of Consulting Engineers Malaysia (ACEM) 1999-2001; Institution of Fire Engineers Malaysia 2003-5; ASHRAE Malaysia Chapter 2007/8; Kiwanis Down Syndrome Foundation 1999-2001;

Advisor to the Malaysia Air Conditioning & Refrigeration Association (MACRA) since 2001 and the newly formed BAS Association of Malaysia (BASAM) 2017.

He also serves in the statutory Board of Engineers Malaysia in various portfolios including Professional Examination Committee and Disciplinary Panel. In recognition of his contribution to the engineering fraternity, he was honoured with the ACEM Gold Medal Award in 2010.

**Sponsors :**



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**Mr. Wang Mao Jung (王茂榮 先生),**

1. The Principal of Mao Jung Energy Service & Management Consulting Co., Ltd at Taiwan.
2. Energy Saving Consultant for various Taiwan Engineering Companies, such as Delta Electronics, CompAir Energy Technology, J-Power Systems Engineering, etc.
3. Independent Director, Shenghui Engineering Technology Co., Ltd at Taiwan

**Experiences :**

1. 11/2011~12/2014, assisted Delta Electronics to complete 50% energy-saving tasks.
2. 2011 ~ American Institute of Energy Engineers (AEE) Certified Instructor
3. 04/05~17/05/2003, 14 days to complete the reconstruction of the SARS Special Medical Building of Tri-Service General Hospital Songshan Branch to accommodate the SARS patients
4. 1996 elected as one of the Top Ten Outstanding Engineers.
5. 1989 awarded the Refrigeration and Air Conditioning Professional Engineer
6. 1988~2011 Industrial Technology Research Institute Senior Manager of Energy Conservation & Knowledge Management Consultant (23 years)
7. 1975 ~ Present, Refrigeration, Air Conditioning and Energy Management Consulting Service (43 years)
8. 1999 ~ Present, the Secretary-General, the President of the Branch, the District Chief Executive, and the Education Lecturer of the General Council of the Kiwanis International Club in Taiwan
9. TAF (CNLA) Laboratory Certification Member of the Technical Committee for Temperature and Thermal Test Evaluation, Reviewer
10. Director of Sino-German Technical Cooperation Research Association, Supervisor of Taiwan ESCO Association



**Formerly:**

1. Refrigeration and Air Conditioning Technician Verification Procurator,
2. Member of China Engineering Arbitration Association, North County Environmental Assessment Committee,
3. Standing Director of the National P.E. HVAC&R Association,
4. Director of ASHRAE Taiwan Chapter,
5. Director of Taiwan Cleaning Technology Association,
6. Director of Refrigeration and Air Conditioning Society

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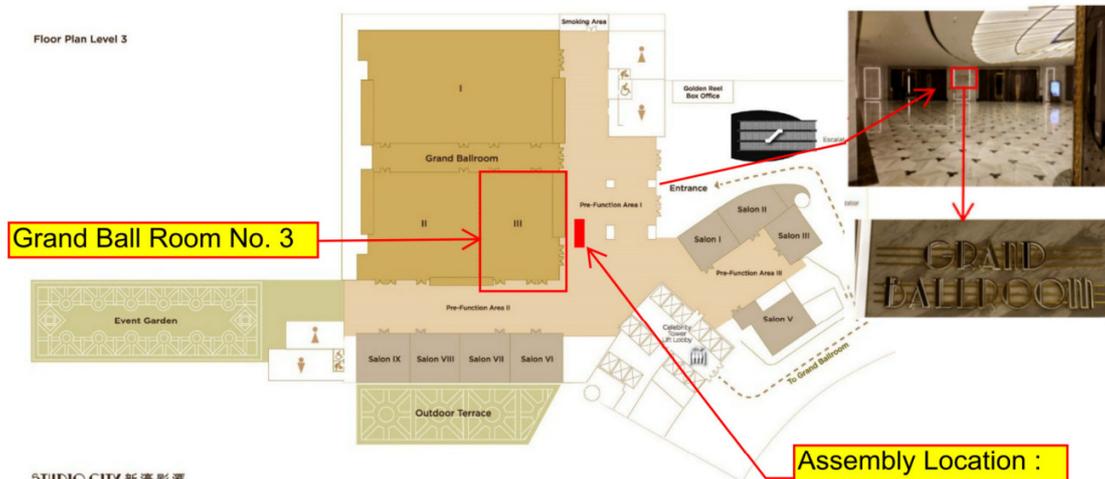


澳門物業設施管理協會  
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<b>Date &amp; Time</b>	: 11 Dec 18 (Tuesday) 2:00pm – 5:30pm	<b>Registration</b>	: 1:15pm – 1:50pm
<b>Assembly Point</b>	: Studio City, Level 3, Grand Ball Room No. 3 (新濠影匯 - 3樓 - 3號大宴會廳)		



STUDIO CITY 新濠影匯



**Sponsors :**

