

GBI Professional Series 2017

Seminar on

# INDOOR ENVIRONMENTAL QUALITY (IEQ)

16th November 2017 | 8:30am - 5:30pm | MyIPO, Menara UOA Bangsar

HRDF  
Claimable

## Programme

08.30 am	Registration
09:00am	Welcome & Opening Speech <i>by MC/ MGBC President / ASHRAE President</i>
09:15am	Mistake in GBI DA/CVA & RVA Submission <i>by Ir Ng Yong Kong</i>
10.00am	Radiant Heating and Cooling <i>by President Professor Bjarne Olesen</i>
10.45am	Coffee Break
11.15am	Dos and Don'ts in Efficient HVAC Design Installation, Commissioning, Operation & Maintenance <i>by Ir. Chen Thiam Leong</i>
12:00am	International Standard for Indoor Environment <i>by President Professor Bjarne Olesen</i>
12.45pm	Questions & Answers Session
01.00pm	Lunch Break
02.00pm	The Influence of Occupant Behaviour on Indoor Environment and Energy Use in Buildings <i>by President Bjarne Olesen</i>
02.45pm	Thermal Comfort at Elevated Air Speed with Air-Conditioning for an Office Space in Shah Alam <i>by Ir. Tang Chee Khoay</i>
03.15pm	Coffee Break
03:45pm	A Selection of Common HVAC Design Problems for Hot & Humid Climate Application <i>by Ir Chen Thiam Leong</i>
04.30pm	How to Meet Ventilation Requirements in an Energy Efficient Way <i>by President Professor Bjarne Olesen</i>
05.15pm	Questions & Answers Session
05.30pm	End of Seminar

## Registration Fee

MGBC / MASHRAE Member	Affiliated Member	Public/ Other
<b>RM400</b>	<b>RM450</b>	<b>RM500</b>

Fees included 6% GST

## Venue Map

### Intellectual Property Corporation of Malaysia (MyIPO)

Level 12A, Tower B, Menara UOA Bangsar  
No. 5, Jalan Bangsar Utama 1  
59000 Kuala Lumpur



## Who Should Attend?

- \* Building Owners and Developers
- \* Green Building Professionals
- \* Green Building Index Facilitators
- \* Professional Interior Designers
- \* Architects and Engineers

**LIMITED SEATS!**  
First-Come-First-Served Basis



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For more information please contact:

**Malaysia Green Building Confederation (MGBC)**

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59000 Bangsar, Kuala Lumpur, Malaysia  
T: +603 2282 8232 | F: +603 2284 8232

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## Speakers Highlight



### **Prof. Bjarne Olesen**

*Technical University of Denmark*

Master's degree in civil engineering, 1972. Ph.D., Laboratory of heating and Air Conditioning, Technical University of Denmark, 1975. In the period 1972-1990, Research Scientist at the Laboratory of Heating and Air Conditioning and part time affiliated as product manager at Brüel & Kjaer in 1978-1992. Senior Research Scientist, College of Architecture, Virginia Tech in the period 1992-1993. Since 1993 until January 2004, Head of Research & Development at UPONOR-VELTA GmbH KG & Co., Norderstedt, Germany. Since January 2004, full professor in Indoor Environment & Energy at the Technical University of Denmark and director of the International Centre for Indoor Environment and Energy, Technical University of Denmark. Awarded the Ralph Nevins Award (1982), Distinguished Service Award (1997), Fellow Award (2001) and Exceptional Service Award (2006) from ASHRAE. Awarded the Medal of Honour from the German Engineering Society (VDI-TGA, 2005) and International Honorary Member of SHASE (Society of Heating, Air-Conditioning and Sanitary Engineers) of Japan. Vice President of ASHRAE and Honorary member of AICARR (Italian Society for HVAC).

Active in several ASHRAE-CEN-ISO-DIN standard committees regarding indoor environment and energy performance of buildings and HVAC systems. Prof Bjarne has published more than 350 papers including more than 60 in peer reviewed journals.

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### **Ir. Chen Thiam Leong**

*GreenBuildingIndex Sdn Bhd*

Ir Chen has accumulated over 35 years of experience in the Building Services Industry (local and overseas). He serves in various Malaysian Standard writing committees as well as National Steering Committees and regularly presents technical papers in various engineering subjects including Energy Efficiency, Sustainability & Green Issues. In 2008, Chen led the development of the Green Building Index and incorporated the criteria on 'Enhanced Energy Performance', 'Sustainable Maintenance', and 'Commissioning Specialist' to address the perennial industry shortcomings in these areas. He remains passionate and optimistic for the Malaysian industry to cultivate the holistic need for proper design, installation, testing, commissioning, operation and maintenance of building systems; to dispense with his quote that "The best designed and best installed building services will only last until the end of the defects liability period", and the sooner the better. In recognition of his life-long contribution to the engineering fraternity and society, ACEM conferred him the ACEM Gold Award 2010.

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### **Ir. Tang Chee Khoay**

*Malaysia Green Building Confederation*

Ir. CK Tang provides consultancy in the development of sustainable building. He is one of the pioneers of energy efficiency and building performance simulation in the region. In addition, he has written numerous technical papers, published books and guidelines, and developed software for the design of sustainable building. Many of the energy efficient demonstration buildings in Malaysia have been designed and fine-tuned by him. These buildings are among the world's most efficient buildings in the tropics today with real proven performance.

For the past 20 years, he has worked with international organisations which include DANIDA (Danish International Assistance), UNEP, UNDP and UNRWA on green building projects in Malaysia, Vietnam, Indonesia and Jordan.

Ir. CK is the Honorary Secretary of Malaysia Green Building Confederation and proprietor of CK@Work Sdn Bhd, and is looking at ways to improve and accelerate sustainability in the building industry for tropical climate.

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### **Ir. Ng Yong Kong**

*Malaysia Green Building Confederation*

Ir. Ng Yong Kong is the Deputy GBI Facilitator Course Director, Regional Vice Chair for Chapter Technology Transfer for ASHRAE Region XIII (2010-2013) and is a Registered Professional Engineer with the Board of Engineers, Malaysia (BEM). He is the Past President of ASHRAE Malaysia Chapter and Malaysia Air-Conditioning and Refrigeration Association (MACRA). Ir. Ng was a member of the working group for the revised MS1525, the MS2449:2012 for Chillers and was Council and Excomm member of the Institution of Engineers, Malaysia (IEM) and is a Honorary Treasurer for Malaysia Green Building Confederation.

He is currently the Director of NYK Engineering, a panel judge member for the prestigious ASHRAE (USA) Technology Award 2011-2013 and Emersion Cup 2012. He was also a member of the ASHRAE Indoor Air Quality Steering Committee 2010 and is the Malaysia Green Building Index Facilitator (GBIF) trainer and examiner.

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## REGISTRATION FEES (includes 6% GST)

- RM 400 MGBC / MASHRAE Member
- RM 450 GBI Facilitator / Affiliated Member ( PAM, MIID, ACEM, IEM, RISM, PPK, ILAM, MBAM, MTC, FMM (MIMG), CIOB, FIABCI, SHAREDADA, IET, FMM-MCIG, ISI )
- RM 500 Public / Other

## PAYMENT DETAILS

Payable to : **Malaysia Green Building Confederation**  
Account No. : **363 010 032 50**  
Bank : **Hong Leong Bank**  
Payment method :  Cheque - Amount (RM) \_\_\_\_\_ Cheque No. \_\_\_\_\_  
 Cash - Amount (RM) \_\_\_\_\_  
 Bank Transfer - Amount (RM) \_\_\_\_\_

## REGISTRATION FORM

I hereby confirm my registration with the following details:

TITLE AR / IR / SR / MR / MRS / MS \_\_\_\_\_

FULL NAME \_\_\_\_\_

NRIC / PASSPORT No. \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

COMPANY ADDRESS \_\_\_\_\_  
\_\_\_\_\_

I am a/an :

- Architect
- Civil Engineer
- Mechanical Engineer
- Electrical Engineer
- Surveyor
- Other (Please state)  
\_\_\_\_\_

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I AM A MEMBER OF \_\_\_\_\_ MEMBERSHIP NO. \_\_\_\_\_

FOR CPD CREDITS PURPOSES (Select One) LAM / BEM / GBI / BQSM \_\_\_\_\_ MEMBERSHIP NO. \_\_\_\_\_

VEGETARIAN (Tick applicable)  YES  NO

Please send this registration form to: [fiza@mgbc.org.my](mailto:fiza@mgbc.org.my) or Fax: +603 2284 8232

Closing date for registration: **13 November 2017**