

## ABOUT THE SPEAKER

### **MR. RAYMOND E. PATENAUDE, P.E.**

Vice President ,  
The Holmes Agency, Inc.  
Tierra Verde, FL

Mr.Raymond E. Patenaude, PE, CMA, CIAQP, CEM, RPIH, Vice President of The Holmes Agency, Inc., is a registered Professional Engineer specializing in forensic engineering of HVAC systems, moisture intrusion into buildings, and microbial contamination of building environments. He has been a Consulting and Forensic Engineer for over thirty-four years involved with the analysis, design and construction of building systems. As a recognized expert in his field, Mr.Patenaude, provides professional consultation and forensic investigation in building science including: cause and origin of construction defects; building envelope assessments; HVAC failure causation analysis; energy analysis; moisture intrusion; mold growth investigations; remediation management; claims and litigation support for commercial, residential, industrial and institutional buildings.

Mr.Patenaude is a former ASHRAE Vice President and Distinguished Lecturer. He currently serves the Society as Vice-Chair of TC 1.12, Moisture Management in Buildings, Chair of the Project Monitoring Sub-Committee for the new "*ASHRAE Guide for Buildings in Hot and Humid Climates*" and a member of Standard 100, "*Energy Conservation in Existing Buildings*". In addition, Mr.Patenaude is also a member of the National Society of Professional Engineers, the Florida Engineering Society, the National Academy of Forensic Engineers, the National Academy of Building Inspection Engineers, the National Institute of Building Sciences, Association of Professional Industrial Hygienists, the American Conference of Governmental Industrial Hygienists, American Industrial Hygiene Association and Chairman of the Board of the Certified Indoor Air Quality Professionals.

## SYNOPSIS

Designing buildings requires the integration of techniques found in the ASHRAE Guide for Buildings in Hot and Humid Climates. Mr.Patenaude, P.E. will provide a presentation on the fundamentals of building envelopes in hot and humid climates, control of outdoor ventilation air with the use of dedicated outdoor air systems and building air pressurization. These three building systems are the main cause for concern for HVAC Engineers and comprise most building failures in hot and humid areas.

### REGISTRATION FORM

F: 03-7957 7678 E: khairiah@iem.org.my

No	Name(s)	Membership No/Grade	Fee
<b>Total Amount Payable</b>			

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

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

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

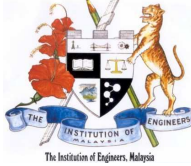
Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### PAYMENT DETAILS

Cash

Chequeno. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed 'A/C Payee Only'.



# HALF DAY SEMINAR ON BUILDING DESIGNS IN HOT & HUMID CLIMATES

by

MR. RAYMOND E. PATENAUDE, P.E.

24 May 2012 (Thursday)

9.00 am – 2.00 pm

TUS Lecture Room

2<sup>nd</sup>Floor, Wisma IEM

Petaling Jaya

BEM Approved CPD Hours :4 hours

Ref. No. : IEM12/HQ/118/S

**THE INSTITUTION OF ENGINEERS, MALAYSIA**

BangunanIngenieur, Lots 60/62, Jalan 52/4,  
46200 Petaling Jaya, Selangor

Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM

Homepage: <http://www.myiem.org.my>

## PROGRAMME

8.30 - 10.30 am Registrations

Welcoming Remarks by  
Session Chairman

Session I

10.30-10.45 am Tea Break

10.45- 12.30 pm Session II

12.30- 1.30 pm Questions and Answer  
End

### Registration Fees

#### ONLINE

IEM / MASHRAE Student Member	RM 80.00
IEM / MASHRAE Member	RM 150.00
Non IEM / MASHRAE Member	RM 300.00

#### NORMAL

IEM / MASHRAE Student Member	RM 100.00
IEM / MASHRAE Member	RM 200.00
Non IEM / MASHRAE Member	RM 400.00

Closing date : 21 May 2012

Organised by:

**Building Services Technical Division, IEM  
Malaysian Chapter American Society of Heating,  
Refrigerating and Air-Conditioning Engineering, Inc**

### **Important Notes:**

For **ONLINE REGISTRATIONS**, payment **MUST BE ONLINE PAYMENT** [viz RHB and Maybank2u -Personal Saving & Personal Current ; **Credit Card** – Visa/Master ; **MEPS FPX** - Bank Islam personal account, CIMB Clicks personal account & CIMB Biz Channel business account, Hong Leong Bank Personal Account, Maybank2u Personal Account & Maybank2e Business Account, Public Bank Personal Account and RHB Bank Personal Account]

Payment via **CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO** will be considered as **NORMAL REGISTRATION**

For **online registrations**, please note that payment **MUST** be made before the closing date at the latest. If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.

**FULL PAYMENT must be settled before commencement of the event**, 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. IEM reserve the right to reject any L/O not in accordance with these instructions. Registration fee includes lecture notes, refreshment and lunch.

The Organizing 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.