

SPEAKER

MR. DAVID BALL

Director

**International Fire Technology Asia
(IFTA) - Hong Kong Ltd**

D a t e

9 April 2011 (Sat)

T i m e

2.30 – 5.30 pm

V e n u e

**Room PQ304
The Hong Kong
Polytechnic University**

Reply to:

Miss Y.Y. Yeung

Tel: 2766 5862 Fax: 2765 7198

E-mail: beelize@polyu.edu.hk

Department of Building Services Engineering

The Hong Kong Polytechnic University

Hung Hom, Kowloon

**[Ref: 'Static' (Natural) Smoke Control Systems –
Design and Application]**

- I enclose a cheque of HK\$500 for the registration for the lecture course on 9 Apr 2011.
- I am a IFE member. I enclose a cheque of HK\$250 for the registration for the lecture course on 9 Apr 2011.
- I am a SFPE member/BSE Alumni*. I enclose a cheque of HK\$150 for the registration for the lecture course on 9 Apr 2011.

Name (in Full): _____

IFE/SFPE* Membership No: _____

BSE programme: HD/BE/MSc/MPhil/PhD*

Graduation year: _____

Company Name: _____

Company/Home* Address: _____

Tel: _____

E-mail: _____

(Upon receipt of payment, reservations will be confirmed by e-mail. Cheques to be made payable to **The Hong Kong Polytechnic University**. Substitute delegates allowed provided advance notification is given. "First come first served" basis.)



THE HONG KONG
POLYTECHNIC UNIVERSITY



C P D L E C T U R E

'Static' (Natural) Smoke Control Systems – Design and Application

Organized by

Professor W.K. Chow
Director, Research Centre for Fire Engineering
Head of Department, Department of Building
Services Engineering
Leader, Area of Strength: Fire Safety Engineering
The Hong Kong Polytechnic University

PROGRAM SCHEDULE

2.30 – 2.40 pm◆	Registration
2.40 – 2.45 pm◆	Welcome and Introduction by Professor Chow
2.45 – 3.45 pm◆	Part 1 by Mr. Ball
3.45 – 4.15 pm◆	Coffee break
4:15 – 5:15 pm◆	Part 2 by Mr. Ball
5.15 – 5.30 pm◆	Questions and answers

Topics covered

Static smoke exhaust system, or through natural vent, will be discussed in this lecture.

The following six key areas will be covered:

- **Smoke control requirements**
To vent or not to vent
Benefits of adequate smoke control
- **Principles of smoke flow in buildings**
Single or multi levels
- **Determination of principle parameters**
Smoke mass flow, temperature, zoning, inlet, aerodynamic area, smoke depth
- **Determination of type of smoke removal**
Dynamic Vs Natural (static)
- **Static smoke control – system selection**
- **Application and examples**
Roof and wall mounted systems, air inlet and zoning

Speaker

Mr. Ball is Chartered Engineer and full Member of CIBSE having specialised in smoke control systems for some 42 years. Currently he is Director of IFTA – Hong Kong Ltd and previously Technical Director of Colt International (Hong Kong) Ltd.

David was involved in some of the original research and development of performance based smoke control system in Europe in the 1970's – 1980's and has lectured in many countries, highlighting the advantages and benefits of static systems. With some 20 years experience in Asia, David has been involved in the design and application engineering of some of the well known projects in Singapore and Hong Kong.