

## SPEAKER

### PROFESSOR W.K. CHOW

Director, Research Centre for Fire Engineering  
Leader, Former Area of Strength: Fire Safety Engineering  
Head of Department,  
Department of Building Services Engineering  
The Hong Kong Polytechnic University

D a t e

4 November 2011 (Fri)

T i m e

6.45 – 8.00 pm

V e n u e

Room TU201  
The Hong Kong  
Polytechnic University

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[Ref: Points to Note in Applying Timeline Analysis in Performance-Based Design for Fire Safety Provisions]

- I enclose a cheque of HK\$200 for the registration for the lecture course on 4 Nov 2011.
- I am a IFE member. I enclose a cheque of HK\$150 for the registration for the lecture course on 4 Nov 2011.
- I am a SFPE member/BSE Alumni\*. I enclose a cheque of HK\$100 for the registration for the lecture course on 4 Nov 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: \_\_\_\_\_

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THE HONG KONG  
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DEPARTMENT OF  
BUILDING SERVICES ENGINEERING



C P D L E C T U R E

## Points to Note in Applying Timeline Analysis in Performance-Based Design for Fire Safety Provisions

### Organized by

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

## PROGRAM SCHEDULE

6.45 – 7.00 pm	.....◆	Registration
		7.00 – 7.50 pm .....◆ Talk by Professor W.K. Chow
		7.50 – 8.00 pm .....◆ Questions and answers

## ABSTRACT

'Timeline analysis' was applied in performance-based design for many big construction projects with difficulties to comply with the prescriptive fire safety codes. Both the Available Safe Egress Time (ASET) and the Required Safe Egress Time (RSET) are estimated and compared. Six points of concern were identified on this approach and will be pointed out in this talk. Higher safety margin of multiples of ASET should be provided to cater for uncertainties. Fire safety management must be enhanced in existing projects with low safety margin, long ASET based on small fire scenarios and short RSET with low design occupant loading.

## Speaker

Professor Chow is the Chair Professor of Architectural Science and Fire Engineering, Leader of the former Area of Strength: Fire Safety Engineering, Director of Research Centre for Fire Engineering, and Head of Department, Department of Building Services Engineering of The Hong Kong Polytechnic University, Hong Kong. His main research interests are on architectural science, fire and safety engineering. Over six hundred papers were published in international journals and conference proceedings. He is the Founding President of the Hong Kong Chapter, Society of Fire Protection Engineers, since 2002; and elected as the President of the Asia-Oceania Association for Fire Science and Technology in 2007. He is active in dealing with performance-based design in the Far East and assisting the government departments in approving fire engineering design by serving various committees since 1986.