

PINK – outline (for the printed *Hong Kong Engineer*)

Division/Committee	Fire Division
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Maximum number of words in the **GREY area: **80** in English
or
160 in Chinese

Programme title	Fire Engineering from Structural Engineers' Perspective
Jointly organised (if applicable)	NA
Date, Time and Venue	24 April 2008 (Thur) 5:45pm starts at 6:00pm Kowloon Command Auditorium, Kowloon Tong Fire Station
Speaker(s) (if applicable)	Ir Prof Paul PANG
Programme highlight	For a performance-based passive fire design, structural engineers with knowledge in fire engineering techniques are able to conduct performance based fire engineering solutions. This approach can lead to substantial savings in building structure designed against outbreak of a fire.
Registration	Pre-registration is required Pls. provide your NAME and your EMAIL by email return to cyc@wongouyang.com for registration
Enquiries (Name and Tel)	Ir Paul Chan 29681822
(if applicable) Registration Fee	NIL
(if applicable) Limited No of participant	140 persons
(if applicable, state 'Y')	NA

Issue(s) to be published	March 2008
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*Please put the detailed version on the following page.

PINK – detailed (for *Hong Kong Engineer Online*)

*Maximum number of words: **250** in English or **400** in Chinese

Fire Engineering from Structural Engineers' Perspective

Highlight of the talk

Fire Safety Design of a building structure comprises Active Fire Design, Passive Fire Design, and Fire Safety Management Plan. For Passive Fire Design which is under Building Department's purview, there are prescriptive and performance-based approaches. The latter approach is basically a fire engineering method of which thermal response of structures is attributed to structural fire engineering.

For a performance-based passive fire design, structural engineers with knowledge in fire engineering techniques are able to conduct performance based fire engineering solutions. This approach can lead to substantial savings in building structure designed against outbreak of a fire.

From a structural engineer's perspective, structural engineering professionals with fundamental fire engineering knowledge are qualified and in partnership with other engineering disciplines to conduct holistic performance-based fire designs.

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The Speaker

Ir Prof Paul PANG

BEng CEng PEng RPE FHKIE FStructE MICE 1RSE-PRC

Ir Prof Pang graduated in civil engineering from McGill University, Canada in 1976 and has over 30 years of working experience both in Canada and Hong Kong. His experience includes planning, design, construction, forensic and control of building and civil engineering works.

He now serves in the Buildings Department as an acting Assistant Director responsible for the control and enforcement policies of existing buildings in Hong Kong. He is currently the Chairman of the Structural Advisory Committee of the HKIE, a Founding Member of the Fire Discipline of the HKIE, and a Council Member of both the HKIE and IStrucE. He is also the Chairman of the Technical Committees for the Codes of Practice for the Structural Use of Concrete 2004 and the Structural Use of Steel 2005 of the Buildings Department.