

<b>Title</b>	<b><u>Performance Evaluation of Structural Fire Design and Fire Testing</u></b>
<b>Description</b>	<p>Speakers:</p> <p>Ir Dr. YUEN Sai-wing , is Directors of an Engineering Consultancy Ltd. He studied his bachelor and master in civil and structural engineering in Hong Kong Polytechnic and PhD in University of Queensland, Australia. He joined the Engineering Consultancy Ltd in 1997 and over 15 years of experience in both design and testing in façade and fire for structures. He is currently a member of HKIE (fire) and a board member of the Hong Kong Institute of Steel Construction (HKISC).</p> <p>Abstract :</p> <p>Fire engineering is certainly a new and emerging discipline of engineering, covering the areas of building planning, architecture, structural engineering, risk analysis, and fire protection and fighting installation. One important means to minimize loss of lives and properties due to fire is to provide a robust building system to prevent spread of fire, or the so-called 'compartment' concept. This is usually achieved by ensuring integrity of building elements (both load bearing and non-load bearing) and structures for specific fire resisting periods. The second important fire damage prevention is to ensure a building remains stable under fire, which is to have sufficient load-carrying capacity under fire. Moreover, if a critical column buckles due to reduced strength under fire, it may lead to the progressive collapse of a complete building which is unacceptable as seen in the progressive collapse of the World Trade Centres in the 911 event. The critical elements here should then be insulated and protected against fire, and the science of these studies is referred as structural fire engineering. In Hong Kong, the prescriptive approach is still widely regarded as the fundamental method assuring fire resistance construction, and assuring building compartmentation. In the prescriptive approach, standard fire tests are considered essential for establishing the fire resistance of constructional elements and structural members. It is a fundamental method of assuring fire resisting construction to prevent structural collapse and to ensure compartmentation in building structures. This presentation will highlight some of the latest development in structural fire engineering, testing and assessment to broaden a fire engineer ' s scope of knowledge.</p>
<b>Event date</b>	21-Feb-13
<b>Number of Participant</b>	180
<b>Location</b>	Auditorium, Kowloon Tong Fire Station, 3 Baptist University Road, Kowloon Tong, Kowloon / 1815-1945
<b>Assembly Place &amp; Time</b>	Auditorium, Kowloon Tong Fire Station, 3 Baptist University Road, Kowloon Tong, Kowloon / 1815-1945
<b>Commencement of Seminar / Plant Tour</b>	Auditorium, Kowloon Tong Fire Station, 3 Baptist University Road, Kowloon Tong, Kowloon / 1815-1945
<b>Fee</b>	Free of Charge
<b>Max. Applicant</b>	80
<b>Remarks</b>	Light refreshment will be served before the seminar.

