

Title	Best practice and latest trend in delivery and operation of tunnels
Description	<p>Speaker: Ir Dr Alex Chan</p> <p>Ir Dr Alex Chan has been involved in tunnel ventilation for more than 30 years. Initially he worked as a contractor on road and rail tunnel projects in Hong Kong from 1980. Upon the completion of his Ph.D., Ir Dr Chan worked with Parsons Brinckerhoff (Asia) Limited and was in-charge of the Environmental Control Division, responsible for the planning, design, construction management and operation studies of tunnel ventilation and managing other tunnel systems. He established Applied Technology Integration Ltd in 1999 and served contractors, consultants and later manufacturers. Today, his company is involved in projects in Hong Kong and many cities in East Asia and Oceania areas.</p> <p>Ir Dr Chan worked on "BOT" road tunnel projects and rail tunnel projects in the late 80's and early 90's in Hong Kong. Together with many professionals, including lots of experts from the Fire Services Department, Ir Dr Chan was party to the development of many technical requirements for tunnels related to safety in Hong Kong. As a consultant, he supported the use of the technology and tools for the analyses of complex thermal and aerodynamic environment inside confined spaces including the use of Computational Fluid Dynamics (CFD) in the late 80's / early 90's. He also formally introduced the platform screen door (PSD) system to Hong Kong's rail network during the feasibility study of the Lantau and Airport Railway. He sought the support from MTRC Ltd to consider retrofitting existing stations with PSDs.</p> <p>Alex may be considered as a veteran in tunnel ventilation. He has been involved in projects in Hong Kong, Shanghai, Guangzhou, Taipei, Singapore, Kuala Lumpur, Tokyo, Hiroshima, London, New York, Perth, Sydney and Brisbane for the last 3 decades. He is now focusing on provisions of ventilation products to serve contractors in the delivery of tunnel projects.</p> <p>Ir Dr Alex Chan was the President of the HKIE for the Session 2003/ 2004 and the Chairman of MMC Division of the HKIE for the Session 1992/1993. He is a Council Member of the China Hong Kong Fire Protection Association. He also served on numerous boards and committee of the HKSAR government including the Town Planning Board and the Engineers Registration Board. Currently he is a member of the Building Committee and Audit Sub-Committee of the Housing Authority, Noise Control Board Appeal Panel, Barristers Disciplinary Tribunal Panel and Hong Kong Council for Academic Accreditation and Vocational Qualifications, HKSAR. He is the Chair of Sydney Accord, an international agreement on the education qualification leading to the title of Engineering Technologist.</p> <p>Abstract This presentation will focus on the best practices and latest trend for the delivery and operation of tunnels. The presentation will cover key issues during delivery and operation of tunnels which would affect safety, in particular when the tunnels are open to public traffic and lots of passengers could be inside during fire emergencies. Experience sharing from different projects will be made. Latest trend on parameters likely to emerge affecting safety would also be presented and discussed.</p>
Event date	17 May 2011
Assembly Place & Time	Auditorium, Kowloon Tong Fire Station, 3 Baptist University Road, Kowloon, 1815 - 2000
Fee	Free of charge
Contact Person	Ir LU Chau-ming
Registration Email	<gr142@netvigator.com> (for CHKFPA Member ; deadline on or before 13.5.2011)
Remarks	<p>Language : English</p> <p>Light refreshment will be served before the seminar.</p>