

# 14 JULY 2018 FUNDAMENTAL AIR QUALITY MANAGEMENT

## HIGHLIGHT

The course is designed for environmental professionals to understand the basics of air quality management, air pollution control and air quality modelling in Hong Kong. Speakers will give: (i) an introduction on the air quality issues, challenges and an overview on the Air Pollution Control Ordinance of Hong Kong; (ii) the control requirements and technologies for stationary sources, vehicles, non-mobile machinery and vessels vehicles in Hong Kong; and (iii) an introduction to the PATH regional air quality modelling, air dispersion and modelling for chimney height determination and air quality impact assessment in Hong Kong.

**Date: 14 July 2018  
(Saturday)**

**Time: 09:00-13:00**

**Venue: HJ203,  
The Hong Kong  
Polytechnic  
University**

**CPD Units/hr: 4**

**Fee:**  
**HKD1,000**  
(Member of HKIQEP or  
Supporting Organisation)  
**HKD1,500**  
(Non-members)

**REGISTRATION BY 11 JULY**

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## Schedule

Part	Time	Topic	Speaker	Scope
I	09:00-10:00	Basics of Air Quality Management	Ir S.W. Pang C.Chem., C.Sci., C.Eng., FHKIQEP, MRSC, MEI, MHKIE	<ul style="list-style-type: none"> <li>Basics of air pollution;</li> <li>Air pollution control philosophy and air quality management system;</li> <li>Air quality objectives, air quality health index and air pollutant nuisance;</li> <li>Overview of the Air Pollution Control Ordinance</li> </ul>
II	10:00-11:30	Air Pollution Control	Dr. Peter K.K. Louie FHKIQEP	<ul style="list-style-type: none"> <li>Air pollution control from stationary sources, including combustion sources, construction activities, opening burning, specified processes;</li> <li>Control of emissions from vehicles;</li> <li>Control emissions from vessels;</li> <li>Control of VOC and toxic air pollution</li> </ul>
III	11:30-13:00	Air Quality Modelling	Dr. Kenneth K.M. Leung MHKIQEP	<ul style="list-style-type: none"> <li>Application of air quality models for EIA studies;</li> <li>Introduction to the "PATH" regional air quality model</li> </ul>

## About Speakers

### Ir S.W. Pang



Ir. S.W. Pang is a retired Principal Environmental Protection Officer of the Environmental Protection Department of the Hong Kong Special Administrative Region. He has over 30 years of experience in air quality management and was responsible for developing, formulating and implementing Hong Kong's air pollution policies, air pollution control programmes, air quality and emission monitoring and measurement programmes, air quality health index and indoor air quality certification scheme. He is a Founding Fellow of the Hong Kong Institute of Qualified Environmental Professionals and is now serving as the Honorary Director of the Institute.

### Dr Peter K.K. Louie

Dr Louie obtained his B.Sc. in Applied Chemistry from the University of Wales, United Kingdom in 1984, and PhD in Physical Chemistry from the University of Leeds, United Kingdom in 1990. He worked as Research Associate at the Energy & Environmental Research Center, University of North Dakota, North Dakota, USA on the applications of supercritical fluid extraction for complex environmental matrix separation and analysis prior to joining Hong Kong Environmental Protection Department in 1996. Dr Louie was appointed as a member of expert air quality panel in support of hosting the XXIX Beijing Olympic Games (2008). He is guest professor of Peking University, and participated in the World Health Organization (WHO)'s Global Platform on Air Quality and Health (2015) and the development of low-cost sensors for air quality monitoring in support of citizen science applications (2017). He now serves as the Senior Environmental Protection Officer and responsible for Marine Policy and Control in the Hong Kong Environmental Protection Department.

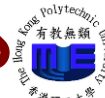


### Dr Kenneth K.M. Leung



Dr Leung is a seasoned professional with over 25 years of experience in the application of computational model for combustion kinetics simulation and air quality modelling. He obtained a PhD degree in Combustion from the Mechanical Engineering Department of Imperial College London, United Kingdom in 1995. He joined the Environmental Protection Department in 1998 as an Air Modelling Specialist and managed the development work of the "PATH" regional air quality model in the past 20 years. Dr Leung was the Head of Air Assessment Section from 2013 to 2016 and responsible for providing expert advice on air quality issues for environmental impact assessment (EIA) studies in Hong Kong. Currently he is the head of Air Quality Modelling and Forecasting Section responsible for technical issues relating to the application of air quality model for EIA studies and air quality forecasting in the Hong Kong Environmental Protection Department.

## Supporting Organisations



Environmental Management and Technology Alumni Association, HKUST

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