



esis

# FUNDAMENTAL OF INDUSTRIAL VENTILATION

<b>DATE:</b>	15 <sup>th</sup> & 16 <sup>th</sup> November 2011
<b>TIME:</b>	9am – 6pm
<b>VENUE:</b>	Carlton Singapore 76 Bras Basah Road, Singapore 189558
<b>SDU/PEU/CM:</b>	Pending approval

## Seminar outline

Participant will be able to:

- Identify and apply the design considerations and elements of ventilations systems. .
- Evaluate and determine the type of and ventilation requirements for workplace applications.
- Calculate the basic requirements of ventilation system for the control of air-borne contaminants.

Participants will learnt about the basic principles and engineering background of industrial ventilation in plain language, from the expert. Examples of the common types of workplace applications and case studies will be included..

Plus: for more effective learning, there will be demonstration using a full working model of features of local exhaust ventilation systems.



## Who Should Attend

This seminar would be suitable for WSH Officers, Occupational hygiene, and Facility managements / Professionals, maintenance, procurement managers, suppliers, and those who are involved in selection, buying, running; using, monitoring and maintaining; supplying, selling; assessing and examining industrial ventilation systems.

## TOPICS COVERED

### General Ventilation

- Principles and Theory
- Concept of Generation Rates
- Design of General Ventilation
- Case Studies

### Local Exhaust Ventilation Systems

- Hood Design and Flow-rate Calculation
- Duct Design and Duct Sizing
- Energy Calculation at Hood
- Energy Requirement at Duct
- Understanding Air Cleaning Devices
- Fans Selection

**SEMINAR FEE: SGD650 Including GST**  
(Fees including of learners' material, lunches, tea breaks and complimentary car park upon request)

## Seminar Leader



Dr. Doo Yong Park is a Professor at Industrial Health Department of Hansung University, Korea. He received his Ph.D. from Department of Environmental and Industrial Health, School of Public Health, The University of Michigan & subsequently joined the Industrial Health Department of Hansung University as Associate Professor. He is currently the Director- General at Occupational Safety and Health Research Institute, KOSHA. He is a member of the International Advisory Panel for the Workplace Safety & Health Council, Singapore. His primary research interests are in Environment and Health Management, Occupational Health and Industrial Hygiene. Dr. Park has published a number of publications including three books on his research interests. He is a Fellow of the Korean Industrial Hygiene Association, Korean Environmental Health Society, American Industrial Hygiene Association, American Conference of Governmental Industrial Hygienists, Air and Waste Management Association and American Chemical Society.

### SEMINAR FEE: SGD650 Including GST

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## REGISTRATION

<b>Seminar Title: Fundamental Industrial Ventilation (15<sup>th</sup> &amp; 16<sup>th</sup> November, 2011)</b>		
Company Name:	Address:	
Name of Contact Person:	Designation:	
Email:	Tel:	Fax:
<b>Participants</b>		
Name	Designation/Job Title	Email

### Payment Method:

Please enclose cheque / bankdraft made payable to "ESIS Asia Pacific Pte Ltd" and mail to:  
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