



# Noise Pollution and Vector-Borne Diseases as Environmental Health Concerns from Construction Sites (2nd Run)

## CPD PROGRAMME

3 SDU / 2 STU (Safety) /  
3 PDU – All Confirmed

## COURSE DETAILS

### Fees

\$128.40 (IES members)  
\$149.80 (Non-members)

### Funding Support

UTAP (For NTUC Union  
Members)

### Date & Time

26 Sep 2018, Wed  
2.00pm – 5.15pm

### Venue

IES Academy@ Jurong East  
80 Jurong East St 21 #04-10  
Devan Nair Institute for  
Employment and  
Employability  
Singapore 609607

## CONTACT PERSON

Ms Lee Woon  
hon.lw@iesnet.org.sg  
Tel: 6461 1250

## Synopsis

The construction industry is important to Singapore's economic growth, contributing nearly 5% of GDP in 2015. During construction, however, projects could pose a significant risk to environmental health, potentially causing noise pollution or the spread of infectious vector-borne diseases such as dengue and malaria. Construction practices that inadequately address these issues can have damaging implications, such as adversely affecting the health and well-being of workers on-site and neighbouring communities. A balance between operational and environmental concerns is therefore crucial to ensure that timely completion of projects does not come at the cost of endangering our health and environment. The scope of this course will cover foundational concepts relating to noise and vector-borne diseases, as well as key sources and health impacts relating to noise pollution and vector-borne diseases from construction sites. Management and control measures to address these concerns will also be discussed.

## Course objectives

To understand and appreciate the environmental health risks, specifically related to noise pollution and vector-borne diseases, which can originate from construction sites, as well as identify the measures that can be taken to mitigate these risks

## Target audience

This course is suitable for site supervisors, engineers and technical officers. Participants will acquire the necessary knowledge on construction-related environmental health risks that will allow them to effectively work with Environmental Control Officers (ECOs). The course is also suitable for ECOs who wish to gain additional background knowledge on specific aspects of their job scope

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## Course Outline

<b>Introduction</b>	<ul style="list-style-type: none"><li>• Public health impact of construction activities</li><li>• Importance of considering impact of construction activities on our environment</li></ul>
<b>Foundational concepts of noise</b>	<ul style="list-style-type: none"><li>• Properties of noise</li><li>• Quantifying noise</li><li>• Human response to noise</li></ul>
<b>Noise pollution from construction sites</b>	<ul style="list-style-type: none"><li>• Sources and activities that contribute significantly to noise pollution</li><li>• Health risks posed by noise pollution</li></ul>
<b>Basic concepts of vector-borne diseases</b>	<ul style="list-style-type: none"><li>• What are vectors?</li><li>• How can vectors spread infectious diseases?</li></ul>
<b>Infectious vector-borne diseases from construction sites</b>	<ul style="list-style-type: none"><li>• Malaria</li><li>• Dengue</li></ul>
<b>Monitoring surveillance and</b>	<ul style="list-style-type: none"><li>• Monitoring for noise levels to ensure compliance with permissible limits</li><li>• Surveying common breeding grounds for vectors</li></ul>
<b>Management and control measures</b>	<ul style="list-style-type: none"><li>• Regulations on noise pollution and vector-borne diseases on construction sites</li><li>• Noise control measures on-site</li><li>• Vector control measures on-site</li></ul>

### Lecturer's CV

**Dr Edmund Low** received his PhD in Environmental Engineering from Yale University. He currently lectures at the National University of Singapore, on topics ranging from quantitative methods to environmental pollution. He has more than 10 years of research and professional experience spanning the application of computational modelling and engineering principles to address issues in public health, air and water quality. Prior to his current appointment, he was senior engineer at the National Environment Agency, where he was involved in environmental monitoring and assessment programmes in Singapore, including the setting up of the country's first island-wide continuous coastal water quality monitoring system. He has provided advice for formulating control strategies against pollution sources, and has also carried out impact assessment studies of climate and urban land use changes on Singapore catchments.

## Registration Form

Noise Pollution and Vector-Borne Diseases as Environmental Health Concerns from Construction Sites (2nd Run)										
Date	:	26 Sep 2018, Wednesday								
Duration	:	3 hrs								
Time	:	2.00pm – 5.15pm								
CPD Programme	:	3 SDU / 2 STU (Safety) / 3 PDU – All Confirmed								
Venue	:	IES Academy@Jurong East, 80 Jurong East St 21 #04-10 Devan Nair Institute S(609607)								
Course Fee	:	\$128.40 (IES Members); \$149.80 (Non-members)								
Course Coordinator	:	Lee Woon Tel: 6461 1250 Email: <a href="mailto:hon.lw@iesnet.org.sg">hon.lw@iesnet.org.sg</a>								
Last Date of Registration	:	17 Sep 2018 or till class fully booked (whichever comes first)								
Participant's Details										
Name	:					Nric/Fin No	:			
Company	:					Designation	:			
Address	:									
						Postal	:			
Office No	:			Mobile	:			Fax	:	
Email	:									
Please indicate	<input type="checkbox"/> IES Member No:		<input type="checkbox"/> Non-Member		<input type="checkbox"/> RTO/RE/PE No:					
	<input type="checkbox"/> Sponsored by Company		<input type="checkbox"/> Special Meal Request – Vegetarian							
Contact Person (HR/Accounts Department)										
Name	:					Designation	:			
Office No	:			Fax	:			Email	:	
Payment	Cash/Nets/Cheque:						Amount:			
<ul style="list-style-type: none"> <li>Cheque to be made payable to 'ENGINEERS SINGAPORE PTE LTD'</li> <li>Written Notice via email is required for Cancellation or Withdrawal of course, 7 working days prior to course date</li> <li>Course fee inclusive of 7% GST, course materials and light refreshments (Halal)</li> <li>Certificate of Attendance will be issued to participants with 100% Attendance</li> </ul>										
Acceptance of Terms & Conditions for Registration of IES Academy Courses / Events I agree to abide to the Terms & Conditions for Registration of IES Academy courses and events Name:										
Signature:										
Date:										



## **TERMS & CONDITIONS COURSE REGISTRATION**

### **Registration**

Any registration, whether online, fax or by email, will be based on a first-come-first-served basis and will only be confirmed upon receipt of full payment by Engineers Singapore Pte Ltd unless otherwise invoice to company.

All registrations must be submitted with duly completed registration form.

### **Closing Date & Payment**

The closing date of the event will be 1 week prior to event commencement date. Cheques should be crossed 'A/C payee only' and made payable to 'ENGINEERS SINGAPORE PTE LTD', with the *Date of event, Title of The Event and participants' name indicated clearly on the back of the cheque*, and post to:

Attn: Lee Woon  
IES Academy@Jurong East  
80 Jurong East Street 21 #04-10  
Devan Nair Institute for Employment & Employability  
Singapore 609607

### **Confirmation of Registration**

Confirmation of registration will be given at least one week before the commencement date of event via email. If you do not receive the said confirmation email, you are required to contact IES Academy at general admin immediately at 6463 9211 (office).

IESA reserves the right to allow only confirmed and paid registrants to attend the Event.

### **Withdrawals/Refunds of Fees**

Written notice at least 1 week in advance before the commencement of the event

Full course fee shall be refunded subjected to 4.5% transaction charge

➤ NO refund otherwise.

No-show of participant would not be accepted as a valid reason for withdrawal/refund.

One time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

### **Cancellation/Postponement**

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IESA reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

### **UTAP Funding**

UTAP (Union Training Assistance Programme) is an individual skills upgrading account especially for NTUC members. As a member, you enjoy UTAP funding at 50% of the unfunded course fee capped at \$250 every year.

### **Personal Data Protection Act**

By registration, you consent to the processing by Institution of Engineers, Singapore of personal data, including your sensitive personal data as defined in the Data Protection Act 2014 for the proper purposes of Institution of Engineers, Singapore (IES). You undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data you may hold and process as a Members of Institution of Engineers, Singapore, and you agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to: [www.ies.org.sg/PDPA](http://www.ies.org.sg/PDPA).

### **Enquiries**

For further enquiries, please contact IESA general office at Tel: 6463 9211.