

## **Acoustics Certificate Courses 2015**

### **Programme Highlights and Course Outline**

The Hong Kong Institute of Acoustics (HKIOA) in association with the supporting organizations of Hong Kong Institution of Engineers - Mechanical, Marine, Naval Architecture and Chemical (HKIE-MMNC) Division and BEAM Society Limited (BSL) are proud to present a series of acoustics certificate courses. These courses are aiming at provide to the local professionals with a structured frame starting from general sessions including the basic acoustics concept, noise ordinance, road traffic noise assessment and measurement. The courses also include some special sessions such as three dimensional (3D) noise assessment and modeling techniques, architectural acoustics design, railway noise measurement. The outlines of the courses are:

#### **General Sessions:**

Session 1:	Basic Acoustics and Instrumentation
Session 2:	Noise Assessment, Management and Mitigation in Hong Kong
Session 3:	Noise Control Ordinance
Session 4:	Industrial Noise Control
Session 5:	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation
Session 6:	Practical Session: On-site Road Traffic Noise Measurement
Session 7:	Construction Noise Control
Session 8:	Case Studies of Noise Control
Session 9:	Basic Road Traffic Noise Modeling Concept and Calculation of Road Traffic Noise Methodology Part 1
Session 10:	Calculation of Road Traffic Noise Methodology Part 2
Session 11:	Experience and Practical Solution on Road Traffic Noise Assessment

#### **Special Sessions:** (please note that applicants who wish to attend the following sessions should obtain certain acoustics knowledge)

Session 12:	Introduction to 3D Noise Assessment and Visualization Tool
Session 13:	Practical Application on Developing 3D Noise Modeling
Session 14:	Architectural Acoustics Design – Theoretical Assessment & Reference Standard
Session 15:	Practical Session: Design in Building related to Architectural Acoustics
Session 16:	Rail Noise Source Characteristics & Mitigation Measures
Session 17:	Advance Railway Noise Measurement

#### **Assessment:**

Session 18:	End of Course Assessment for Noise Control
Session 19:	End of Course Assessment for Road Traffic Noise Measurement
Session 20:	End of Course Assessment for Road Traffic Noise Assessment
Session 21:	End of Course Assessment for 3D Noise Modeling
Session 22:	End of Course Assessment for Architectural Acoustics Design
Session 23:	End of Course Assessment for Railway Noise Measurement

# Certificates, Language, Fee, Enquiry and Registration

## Certificates

Attendance certificates will be issued by HKIOA, HKIE-MMNC Division & BSL to the participants after each session for counting in their CPD purpose.

**A Noise Control Certificate** will be endorsed by HKIOA, HKIE-MMNC Division & BSL and issued to the participants who registered and attended compulsory **sessions 3, 4, 7 and 8**, and then successfully passing the session 18 end-of-course appraisal and assessment.

**A Road Traffic Noise Measurement Certificate** will be endorsed by HKIOA, HKIE-MMNC Division & BSL and issued to the participants who registered and attended compulsory **sessions 1, 2, 5 and 6** and successfully passing the session 19 end-of-course appraisal and assessment.

**A Road Traffic Noise Assessment Certificate** will be endorsed by HKIOA, HKIE-MMNC Division & BSL and issued to the participants who registered and attended compulsory **sessions 9, 10 and 11**, and then successfully passing the session 20 end-of-course appraisal and assessment.

**A 3D Modeling Analysis Certificate** will be endorsed by HKIOA, HKIE-MMNC Division & BSL and issued to the participants who registered and attended compulsory **sessions 12 and 13** and successfully passing the session 21 end-of-course appraisal and assessment.

**An Architectural Acoustics Design Certificate** will be endorsed by HKIOA, HKIE-MMNC Division & BSL and issued to the participants who registered and attended compulsory **sessions 14 and 15** and successfully passing the session 22 end-of-course appraisal and assessment.

**A Railway Noise Measurement Certificate** will be endorsed by HKIOA, HKIE-MMNC Division & BSL and issued to the participants who registered and attended compulsory **sessions 16 and 17** and successfully passing the session 23 end-of-course appraisal and assessment.

The Certificates will be recognized as HKIOA, HKIE & BSL continuous professional development.

**Note:** the certificates of end-of-course assessment will be considered to fulfill the academic requirement of HKIOA membership application

Language	English											
Venues	<b>Lectures venues</b> are at Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK. (IVE Campus) & (Room number to be confirmed)  <b>Practical session of road traffic noise measurement</b> is located at Wan Chai.											
Fees	<table><tr><th>Per sessions</th><th>Members of HKIOA, HKIE &amp; BSL</th><th>Other Participants*</th></tr><tr><td>1-17</td><td>\$700</td><td>HK\$1000</td></tr><tr><td>18-23</td><td>\$350</td><td>HK\$500</td></tr></table> <p>*Group registration for other participants of more than 5 will obtain a 10% discount.</p>			Per sessions	Members of HKIOA, HKIE & BSL	Other Participants*	1-17	\$700	HK\$1000	18-23	\$350	HK\$500
Per sessions	Members of HKIOA, HKIE & BSL	Other Participants*										
1-17	\$700	HK\$1000										
18-23	\$350	HK\$500										
Enquiry and Registration	Reservations will be confirmed upon receipt of payment and availability of places in first-come-first-served basis. Successful applicants will be informed via e-mail. The organizers reserve the right to change the course topics, time and speakers. Course information/registration form is also available from web sites <a href="http://www.hkioa.org">www.hkioa.org</a> and <a href="http://mc.hkie.org.hk">mc.hkie.org.hk</a> . Enrollment will be made on first-come-first-served basis. Enquiries can be given to Course Administrator.											
Course Administrator	HKIOA - Ir Dr Clief TANG Chi Kong  IVE – General enquiry Tel.: 2435 9423 Email: <a href="mailto:EDiT@vtc.edu.hk">EDiT@vtc.edu.hk</a> Address: Engineering Discipline In-service Training Office, Room B322, Hong Kong Institute of Vocational Education (Tsing Yi), No. 20 Tsing Yi Road, Tsing Yi, NT											
Deadline of Application	18/02/2015											

## Date, Time and Venue

Session	Topic	Date/Time/Venue	Speaker
S1	Basic Acoustics and Instrumentation	02/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Ir Dr Clief TANG
S2	Noise Assessment, Management and Mitigation in Hong Kong	04/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Ir CK LEE
S3	Noise Control Ordinance	06/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Benson LEE
S4	Industrial Noise Control	09/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Jimmy WONG
S5	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation	13/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Tom HO
S6	Practical Session: On-site Road Traffic Noise Measurement	14/03/2015 <b>9:00am – 12:00pm</b> Wan Chai	Mr Tom HO
S7	Construction Noise Control	16/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Benson LEE
S8	Case Studies of Noise Control	20/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Jimmy WONG
S9	Basic Road Traffic Noise Modeling Concept and Calculation of Road Traffic Noise Methodology Part 1	23/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Dr C.W. LAW
S10	Calculation of Road Traffic Noise Methodology Part 2	25/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Dr C.W. LAW

S11	Experience and Practical Solution on Road Traffic Noise Assessment	27/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Joe LEUNG
S12	Introduction to 3D Noise Assessment and Visualization Tool	30/03/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr James CHOI
S13	Practical Application on Developing 3D Noise Modeling  <b>*candidate may needs to bring his/her own notebook for practicing*</b>	01/04/2015 <b>6:30pm – 9:30pm</b> Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr James CHOI
S14	Architectural Acoustics Design – Theoretical Assessment & Reference Standard	13/04/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Ms Grace KWOK
S15	Practical Session: Design in Building related to Architectural Acoustics	15/04/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Ms Grace KWOK
S16	Rail Noise Source Characteristics & Mitigation Measures	20/04/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Wilson HO
S17	Advance Railway Noise Measurement	22/04/2015 7:00pm – 9:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Mr Wilson HO
S18	End of Course Assessment for Noise Control	27/04/2015 7:00pm – 8:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Administrator
S19	End of Course Assessment for Road Traffic Noise Measurement	29/04/2015 7:00pm – 8:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Administrator
S20	End of Course Assessment for Road Traffic Noise Assessment	04/05/2015 7:00pm – 8:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Administrator
S21	End of Course Assessment for 3D Noise Modeling	06/05/2015 7:00pm – 8:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Administrator

S22	End of Course Assessment for Architectural Acoustics Design	11/05/2015 7:00pm – 8:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Administrator
S23	End of Course Assessment for Railway Noise Measurement	13/05/2015 7:00pm – 8:00pm Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK	Administrator

The organizers reserve the right to change the course topics, time, venues and speakers.

Calendar with sessions are as below for easy reference.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Mar	01 Mar	02 Mar S1	03 Mar	04 Mar S2	05 Mar	06 Mar S3	07 Mar
	08 Mar	09 Mar S4	10 Mar	11 Mar	12 Mar	13 Mar S5	14 Mar S6
	15 Mar	16 Mar S7	17 Mar	18 Mar	19 Mar	20 Mar S8	21 Mar S8
	22 Mar	23 Mar S9	24 Mar	25 Mar S10	26 Mar	27 Mar S11	28 Mar
	29 Mar	30 Mar S12	31 Mar	01 Apr S13	02 Apr	03 Apr	04 Apr
Apr	05 Apr	06 Apr	07 Apr	08 Apr	09 Apr	10 Apr	11 Apr
	12 Apr	13 Apr S14	14 Apr	15 Apr S15	16 Apr	17 Apr	18 Apr
	19 Apr	20 Apr S16	21 Apr	22 Apr S17	23 Apr	24 Apr	25 Apr
	26 Apr	27 Apr S18	28 Apr	29 Apr S19	30 Apr	01 May	02 May
May	03 May	04 May S20	05 May	06 May S21	07 May	08 May	09 May
	10 May	11 May S22	12 May	13 May S23	14 May	15 May	16 May

**Certificate Courses on  
Noise Control, Road Traffic Noise Assessment, Architectural  
Acoustics Design & Road Traffic Noise & Railway Noise  
Measurement**

Enrollment Form

Title : ☐ Ir. ☐ Dr. ☐ Mr. ☐ Ms. ☐ Others: \_\_\_\_\_

Full Name : (English)\_\_\_\_\_ (Chinese)\_\_\_\_\_

Company : \_\_\_\_\_

Position : \_\_\_\_\_ Email: \_\_\_\_\_

Tel : (Office)\_\_\_\_\_ (Mobile)\_\_\_\_\_ Fax: \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

I am a member of : ☐ HKIOA ☐ HKIE ☐ BSL ☐ Non-member

Membership no. : \_\_\_\_\_ (Please tick one of the above institute only)

Total session(s) \_\_\_\_\_ Total Cheque amount HK\$ : \_\_\_\_\_

I would like to enroll to the following session(s) by putting tick(s) in the last column.

\* Please delete as appropriate.

Session	Topic	Fee	Enroll
S1	Basic Acoustics and Instrumentation	\$700/\$1000*	
S2	Noise Assessment, Management and Mitigation in Hong Kong	\$700/\$1000*	
S3	Noise Control Ordinance	\$700/\$1000*	
S4	Industrial Noise Control	\$700/\$1000*	
S5	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation	\$700/\$1000*	
S6	Practical Session: On-site Road Traffic Noise Measurement	\$700/\$1000*	
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S8	Case Studies of Noise Control	\$700/\$1000*	
S9	Basic Road Traffic Noise Modeling Concept and Calculation of Road Traffic Noise Methodology Part 1	\$700/\$1000*	
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S23	End of Course Assessment for Railway Noise Measurement	\$350/\$500*	

**Notes:**

- Group registration for other participants of more than 5 will obtain 10% discount.
- Please fax or email the completed enrollment form to the **Course Administrator** as below for reservation:  
**IVE – General Enquiry**      **Tel.: 2435 9423**      **Email: [EDiT@vtc.edu.hk](mailto:EDiT@vtc.edu.hk)**  
**Address: Engineering Discipline In-service Training Office, Room B322, Hong Kong Institute of Vocational Education (Tsing Yi), No. 20 Tsing Yi Road, Tsing Yi, NT**
- Reservations will be confirmed upon receipt of payment and availability of places. Successful applicants will be informed via e-mail.
- The enrollment will be made on first-come-first-served basis.
- Cheque must be made payable to ‘**Hong Kong Institute of Acoustics Limited**’ and be sent, together with the registration form, to **Course Administrator**.
- The organizers reserve the right to allot the registration to members of the organizing organizations in case of over subscription.
- The organizers reserve the right to change the course topics, time, venues and speakers.
- Course information/registration form is available from web sites [www.hkioa.org](http://www.hkioa.org) and [mc.hkie.org.hk](http://mc.hkie.org.hk).
- The discounted fee is valid only for **Current Member**.
- Payment is non-refundable.