



香港聲學學會

Hong Kong Institute of Acoustics



Supporting Organizations:



Hong Kong Section



建築環保評估協會



HKIQEP

香港環專會



Certificate Courses 2018 on Noise Control and Management, Road Traffic Noise Assessment, Noise Monitoring & Measurement, 3D Noise Modeling, Architectural Acoustics Design, and Railway Noise Measurement

Programme Highlights and Course Outline

The Hong Kong Institute of Acoustics (HKIOA) in association with the supporting organization of ASME Hong Kong Section (ASME-HK), Beam Society (BEAM), Hong Kong Institute of Qualified Environmental Professionals (HKIQEP), Hong Kong Institution of Engineers - Mechanical, Marine, Naval Architecture and Chemical (HKIE-MMNC) Division and Hong Kong Institution of Engineers – Environmental (HKIE-ENV) Division are proud to present these courses which aim at providing the local professionals with a structured frame starting from refreshing the basic acoustics concept, noise control and management, assessment and measurement, to practical sessions with hands-on experience on three dimensional (3D) noise assessment, architectural acoustics design, road traffic noise and Railway Noise measurement. The noise syllabus in HKIQEP has also been taken into account in the courses. The outlines of the courses are:

- Session 1: Basic Acoustics and Instrumentation
- Session 2: Fundamentals of Environmental Noise
- Session 3: Noise Pollution Sources & Impacts (Part 1)
- Session 4: Noise Pollution Sources & Impacts (Part 2)
- Session 5: Noise Prediction Modeling (Part 1)
- Session 6: Noise Prediction Modeling (Part 2)
- Session 7: Environmental Noise Management (Part 1)
- Session 8: Environmental Noise Management (Part 2)
- Session 9: Construction Noise Control
- Session 10: Experience and Practical Solution on Road Traffic Noise Assessment
- Session 11: Noise Monitoring & Measurement (Part 1)
- Session 12: Noise Monitoring & Measurement (Part 2)
- Session 13: Noise Monitoring & Measurement (Part 3)
- Session 14: Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation (Practical – Field)
- Session 15: Practical Session: On-site Road Traffic Noise Measurement
- Session 16: Introduction to 3D Noise Assessment and Visualization Tool
- Session 17: Practical Application on Developing 3D Noise Modeling
- Session 18: Architectural Acoustics Design (Part 1)
- Session 19: Architectural Acoustics Design (Part 2)
- Session 20: Soundscape (Part 1 - Field Trip)
- Session 21: Soundscape (Part 2)
- Session 22: Rail Noise Source Characteristics & Mitigation Measures
- Session 23: Railway Noise, Vibration and Track Properties Measurement

Session 24:	End of Course Assessment for Noise Control and Management (Sessions 1, 2, 3, 4, 7, 8 and 9)
Session 25:	End of Course Assessment for Road Traffic Noise Assessment (Sessions 5, 6 and 10)
Session 26:	End of Course Assessment for Noise Monitoring & Measurement (Sessions 1, 11, 12, 13, 14 and 15)
Session 27:	End of Course Assessment for 3D Noise Modeling (Sessions 5, 6, 16 and 17)
Session 28:	End of Course Assessment for Architectural Acoustics Design (Sessions 1, 2, 18, 19, 20 and 21)
Session 29:	End of Course Assessment for Railway Noise Measurement (Sessions 1, 2, 22 and 23)

Certificates, Language, Fees, Enquiry and Registration

Certificates	<p>Attendance certificates will be issued by HKIOA to the participants after each session for counting in their CPD purpose.</p> <p>A Noise Control and Management Certificate will be endorsed by HKIOA, ASME-HK, BEAM, HKIQEP, HKIE-MMNC Division & HKIE-ENV Division and issued to the participants who registered and attended compulsory sessions 1, 2, 3, 4, 7, 8 and 9, and then successfully passing the session 24 end of course appraisal and assessment.</p> <p>A Road Traffic Noise Assessment Certificate will be endorsed by HKIOA, ASME-HK, BEAM, HKIQEP, HKIE-MMNC Division & HKIE-ENV Division and issued to the participants who registered and attended compulsory sessions 5, 6 and 10, and then successfully passing the session 25 end of course appraisal and assessment.</p> <p>A Noise Monitoring & Measurement Certificate will be endorsed by HKIOA, ASME-HK, BEAM, HKIQEP, HKIE-MMNC Division & HKIE-ENV Division and issued to the participants who registered and attended compulsory sessions 1, 11, 12, 13, 14 and 15, and then successfully passing the session 26 end of course appraisal and assessment.</p> <p>A 3D Noise Modeling Certificate will be endorsed by HKIOA, ASME-HK, BEAM, HKIQEP, HKIE-MMNC Division & HKIE-ENV Division and issued to the participants who registered and attended compulsory sessions 5, 6, 16 and 17, and then successfully passing the session 27 end of course appraisal and assessment.</p> <p>An Architectural Acoustics Design Certificate will be endorsed by HKIOA, ASME-HK, BEAM, HKIQEP, HKIE-MMNC Division & HKIE-ENV Division and issued to the participants who registered and attended compulsory sessions 1, 2, 18, 19, 20 and 21 and successfully passing the session 28 end of course appraisal and assessment.</p> <p>A Railway Noise Measurement Certificate will be endorsed by HKIOA, ASME-HK, BEAM, HKIQEP, HKIE-MMNC Division & HKIE-ENV Division and issued to the participants who registered and attended compulsory sessions 1, 2, 22 and 23 and successfully passing the session 29 end of course appraisal and assessment.</p> <p>The Certificates will be recognized as HKIOA continuous professional development.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. The Certificates of Attendance will be recognized as HKIOA continuous professional development. 2. The Certificates of End-of-course Assessment will be considered to fulfill the academic requirement of HKIOA membership application
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Language	English supplemented with Cantonese
Venues	<p>Lectures venues at Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon, HK. (IVE Campus)</p> <p>The location of Session 15: Practical Session On-site Road Traffic Noise Measurement is to be confirmed</p> <p>The location of Session 20: Soundscape (Part 1 – Field Trip) at Nan Lian Garden 60 Fung Tak Road, Diamond Hill, Kowloon (Diamond Hill MTR Station – Exit C2 walk will take just a couple of minutes)</p> <p>Lecture venue for Session 21: Soundscape (Part 2) venue is to be confirmed</p> <p>Session 17: Practical Application on 3D Noise Modeling, participant need to bring their own laptop computer [with Windows Operating System] for practicing</p> <p><u>Notes: Session number and date of session are in different order, please read carefully on the calendar when enrollment</u></p>
Fees	<p>For Members of HKIOA, ASME-HK, BEAM, HKIQEP & HKIE HK\$500 per sessions 1 - 23 HK\$250 per sessions 24 - 29</p> <p>For Other Participants HK\$1,000 per sessions 1 - 23 HK\$500 per sessions 24 – 29</p>
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 www.hkioa.org and mc.hkie.org.hk and ev.hkie.org.hk . Enrollment will be made on first-come-first-served basis. Enquiries can be given to Course Administrators.
Course Administrators	Ms. Rachel CHOW / Mr. Duncan TANG Tel.: 37579195 Email: 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
Deadline of Application	15/06/2018
Course Coordinators	Mr. Ken WONG, Dr. Clief TANG and Dr. LAW Chi Wing

Date, Time and Venue

Session	Topic	Date/Time/Venue	Speaker
S1	Basic Acoustics and Instrumentation	25/6/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Mr. Aaron S.W. LUI
S2	Fundamentals of Environmental Noise	29/6/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Mr. Aaron S.W. LUI
S3	Noise Pollution Sources and Impacts (Part 1)	27/6/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Mr. Richard KWAN
S4	Noise Pollution Sources and Impacts (Part 2)	4/7/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Mr. Richard KWAN
S5	Noise Prediction Modeling (Part 1)	9/7/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Dr. F.C. TSANG
S6	Noise Prediction Modeling (Part 2)	16/7/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Dr. F.C. TSANG
S7	Environmental Noise Management (Part 1)	6/7/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Ir. CK LEE
S8	Environmental Noise Management (Part 2)	13/7/2018 7:00pm – 9:00pm Billion Plaza (BP804)	Ir. CK LEE
S9	Construction Noise Control	11/7/2018 7:00pm – 9:00pm Billion Plaza (BP804)	Mr. Benson LEE
S10	Experience and Practical Solution on Road Traffic Noise Assessment	18/7/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. Joe LEUNG
S11	Noise Monitoring & Measurement (Part 1)	20/7/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Ir. CL WONG
S12	Noise Monitoring & Measurement (Part 2)	25/7/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Ir. CL WONG
S13	Noise Monitoring & Measurement (Part 3)	3/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Ir. CL WONG
S14	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation	22/6/2018 7:00pm – 9:00pm Billion Plaza (BP905)	Mr. Tom HO
S15	Practical Session: On-site Road Traffic Noise Measurement	23/6/2018 9:30am – 12:00pm Location to be confirmed	Mr. Tom HO

Session	Topic	Date/Time/Venue	Speaker
S16	Introduction to 3D Noise Assessment & Visualization Tool	1/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. James CHOI
S17	Practical Application on 3D Noise Modeling *Candidate needs to bring their own laptop computer for practicing	08/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. James CHOI
S18	Architectural Acoustics Design (Part 1)	22/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. Henry CHAN
S19	Architectural Acoustics Design (Part 2)	24/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. Henry CHAN
S20	Soundscape (Part 1 - Field Trip)	11/8/2018 09:30am – 12:00pm Location to be confirmed	Prof. K.C. LAM
S21	Soundscape (Part 2)	06/8/2018 7:00pm – 9:00pm Venue to be confirmed	Prof. K.C. LAM
S22	Rail Noise Source Characteristics & Mitigation Measures	29/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. Wilson HO
S23	Railway Noise, Vibration and Track Properties Measurement	31/8/2018 7:00pm – 9:00pm Billion Plaza (BP803)	Mr. Wilson HO
S24	End of Course Assessment for Noise Control and Management	30/7/2018 7:00pm – 8:30pm Billion Plaza (BP803)	Administrator
S25	End of Course Assessment for Road Traffic Noise Assessment	13/8/2018 7:00pm – 8:30pm Billion Plaza (BP803)	Administrator
S26	End of Course Assessment for Noise Monitoring and Measurement	20/8/2018 7:00pm – 8:30pm Billion Plaza (BP803)	Administrator
S27	End of Course Assessment for 3D Noise Modeling	27/8/2018 7:00pm – 8:30pm Billion Plaza (BP803)	Administrator
S28	End of Course Assessment for Architectural Acoustics Design	3/9/2018 7:00pm – 8:30pm Billion Plaza (BP803)	Administrator
S29	End of Course Assessment for Railway Noise Measurement	10/9/2018 7:00pm – 8:30pm Billion Plaza (BP803)	Administrator

The organizers reserve the right to change the course topics, venue, date, time and speakers if necessary

Calendar with sessions are as below for easy reference

Jun- Sep 2018

Mon	Tue	Wed	Thu	Fri	Sat	Sun
21	22	23	24	25	26	27
28	29	30	31	Jun-1	2	3
4	5	6	7	8	9	10
11	12	13	14	15 <u>Application Deadline</u>	16	17
18	19	20	21	22 S14	23 S15	24
25 S1	26	27 S3	28	29 S2	30	Jul-1
2	3	4 S4	5	6 S7	7	8
9 S5	10	11 S9	12	13 S8	14	15
16 S6	17	18 S10	19	20 S11	21	22
23	24	25 S12	26	27	28	29
30 S24	31	Aug-1 S16	2	3 S13	4	5
6 S21	7	8 S17	9	10	11 S20	12
13 S25	14	15	16	17	18 HKIQEP Exam	19
20 S26	21	22 S18	23	24 S19	25	26
27 S27	28	29 S22	30	31 S23	Sep-1	2
3 S28	4	5	6	7	8	9
10 S29	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

**Certificate Courses 2018 on
Noise Control and Management, Road Traffic Noise Assessment,
Noise Monitoring & Measurement, 3D Noise Modeling,
Architectural Acoustics Design, and 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 HKIQEP ASME-HK BEAM Non-member

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

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

Notes:

1. Please fax or email the completed enrollment form to the **Course Administrator as below** for reservation:
Ms. Rachel CHOW / Mr. Duncan TANG
Tel.: 37579195 Fax: 24322253 Email: 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
2. Reservations will be confirmed upon receipt of payment and availability of places. Successful applicants will be informed via e-mail.
3. The enrollment will be made on first-come-first-served basis.
4. Cheque must be made payable to 'Hong Kong Institute of Acoustics' and be sent, together with the registration form, to **Course Administrator**.
5. The organizers reserve the right to allot the registration to members of the organizing organizations in case of over subscription.
6. The organizers reserve the right to change the course topics, venue, date, time and speakers if necessary.
7. Course information/registration form is available from web sites www.hkioa.org and mc.hkie.org.hk and ev.hkie.org.hk.
8. The discounted fee is valid only for **Current Member**.
9. Payment is non-refundable.
10. If applicants only enroll the 'End of Course Assessment' (Sessions 24 – 29), please provide the 'Attendance Certificate' in the last year and highlight completed compulsory sessions for relevant certificates (Please refer to the Page 2 of this flyer).
11. Course materials can be downloaded from website which the link will be advised through email by Course Administrators.

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	\$500/\$1000 [#]	
S2	Fundamentals of Environmental Noise	\$500/\$1000 [#]	
S3	Noise Pollution Sources and Impacts (Part 1)	\$500/\$1000 [#]	
S4	Noise Pollution Sources and Impacts (Part 2)	\$500/\$1000 [#]	
S5	Noise Prediction Modeling (Part 1)	\$500/\$1000 [#]	
S6	Noise Prediction Modeling (Part 2)	\$500/\$1000 [#]	
S7	Environmental Noise Management (Part 1)	\$500/\$1000 [#]	
S8	Environmental Noise Management (Part 2)	\$500/\$1000 [#]	
S9	Construction Noise Control	\$500/\$1000 [#]	
S10	Experience and Practical Solution on Road Traffic Noise Assessment	\$500/\$1000 [#]	
S11	Noise Monitoring & Measurement (Part 1)	\$500/\$1000 [#]	
S12	Noise Monitoring & Measurement (Part 2)	\$500/\$1000 [#]	
S13	Noise Monitoring & Measurement (Part 3)	\$500/\$1000 [#]	
S14	Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation	\$500/\$1000 [#]	
S15	Practical Session: On-site Road Traffic Noise Measurement	\$500/\$1000 [#]	
S16	Introduction to 3D Noise Assessment & Visualization Tool	\$500/\$1000 [#]	
S17	Practical Application on 3D Noise Modeling	\$500/\$1000 [#]	
S18	Architectural Acoustics Design (Part 1)	\$500/\$1000 [#]	
S19	Architectural Acoustics Design (Part 2)	\$500/\$1000 [#]	
S20	Soundscape (Part 1 – Field Trip)	\$500/\$1000 [#]	
S21	Soundscape (Part 2)	\$500/\$1000 [#]	
S22	Rail Noise Source Characteristics & Mitigation Measures	\$500/\$1000 [#]	
S23	Railway Noise, Vibration and Track Properties Measurement	\$500/\$1000 [#]	
S24	End of Course Assessment for Noise Control and Management	\$250/\$500 [#]	
S25	End of Course Assessment for Road Traffic Noise Assessment	\$250/\$500 [#]	
S26	End of Course Assessment for Noise Monitoring and Measurement	\$250/\$500 [#]	
S27	End of Course Assessment for 3D Noise Modeling	\$250/\$500 [#]	
S28	End of Course Assessment for Architectural Acoustics Design	\$250/\$500 [#]	
S29	End of Course Assessment for Railway Noise Measurement	\$250/\$500 [#]	