



香港聲學學會
Hong Kong Institute of Acoustics

Supporting Organizations:



Hong Kong Section



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

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|----------------------------|---|
| <p>Certificates</p> | <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: The certificates of end-of-course assessment will be considered to fulfill the academic requirement of HKIOA membership application</p> |
| <p>Language</p> | <p>English supplemented with Cantonese</p> |

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|---------------------------------|---|
| 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 not in 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 | <p>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.</p> |
| Course Administrators | <p>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</p> |
| Deadline of Application | 15/06/2018 |
| Course Coordinators | Mr. Ken WONG (HKIOA) and Dr. Clief TANG (HKIOA) and Dr. LAW Chi Wing (HKIOA) |

Date, Time and Venue

| Session | Topic | Date/Time/Venue | Speaker |
|---------|--|--|---------------------------|
| S1 | Basic Acoustics and Instrumentation | 25/6/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Aaron S.W. LUI |
| S2 | Fundamentals of Environmental Noise | 29/6/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Aaron S.W. LUI |
| S3 | Noise Pollution Sources and Impacts (Part 1) | 27/6/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Richard KWAN |
| S4 | Noise Pollution Sources and Impacts (Part 2) | 4/7/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Richard KWAN |
| S5 | Noise Prediction Modeling (Part 1) | 9/7/2018 7:00pm – 9:00pm Venue to be confirmed | Dr. F.C. TSANG |
| S6 | Noise Prediction Modeling (Part 2) | 16/7/2018 7:00pm – 9:00pm Venue to be confirmed | Dr. F.C. TSANG |
| S7 | Environmental Noise Management (Part 1) | 6/7/2018 7:00pm – 9:00pm Venue to be confirmed | Ir. CK LEE |
| S8 | Environmental Noise Management (Part 2) | 13/7/2018 7:00pm – 9:00pm Venue to be confirmed | Ir. CK LEE |
| S9 | Construction Noise Control | 11/7/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Benson LEE |
| S10 | Experience and Practical Solution on Road Traffic Noise Assessment | 18/7/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Joe LEUNG |
| S11 | Noise Monitoring & Measurement (Part 1) | 20/7/2018 7:00pm – 9:00pm Venue to be confirmed | Ir. CL WONG |
| S12 | Noise Monitoring & Measurement (Part 2) | 25/7/2018 7:00pm – 9:00pm Venue to be confirmed | Ir. CL WONG |
| S13 | Noise Monitoring & Measurement (Part 3) | 3/8/2018 7:00pm – 9:00pm Venue to be confirmed | Ir. CL WONG |
| S14 | Hands-on Experience on Road Traffic Noise Measurement and Latest Developments in Instrumentation | 22/6/2018 7:00pm – 9:00pm Venue to be confirmed | 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 Venue to be confirmed | 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 Venue to be confirmed | Mr. James CHOI |
| S18 | Architectural Acoustics Design (Part 1) | 22/8/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Henry CHAN |
| S19 | Architectural Acoustics Design (Part 2) | 24/8/2018 7:00pm – 9:00pm Venue to be confirmed | 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 Venue to be confirmed | Mr. Wilson HO |
| S23 | Railway Noise, Vibration and Track Properties Measurement | 31/8/2018 7:00pm – 9:00pm Venue to be confirmed | Mr. Wilson HO |
| S24 | End of Course Assessment for Noise Control and Management | 30/7/2018 7:00pm – 8:30pm Venue to be confirmed | Administrator |
| S25 | End of Course Assessment for Road Traffic Noise Assessment | 13/8/2018 7:00pm – 8:30pm Venue to be confirmed | Administrator |
| S26 | End of Course Assessment for Noise Monitoring and Measurement | 20/8/2018 7:00pm – 8:30pm Venue to be confirmed | Administrator |
| S27 | End of Course Assessment for 3D Noise Modeling | 27/8/2018 7:00pm – 8:30pm Venue to be confirmed | Administrator |
| S28 | End of Course Assessment for Architectural Acoustics Design | 3/9/2018 7:00pm – 8:30pm Venue to be confirmed | Administrator |
| S29 | End of Course Assessment for Railway Noise Measurement | 10/9/2018 7:00pm – 8:30pm Venue to be confirmed | 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 enrollment 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 [#] | |