



**HKIOA**



**HKIE-MMNC**

## **Certificate Course on Road Traffic Noise Management and Assessment**

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

Like other metropolitan cities, a large number of residents are affected by road traffic noise problem in Hong Kong. The government estimates that about 1.1 million people in Hong Kong are exposed daily at home to road traffic noise level exceeding  $70\text{dB(A)}_{L_{10}(1\text{hr})}$ . No doubt, road traffic noise becomes the most severe environmental noise problem in Hong Kong. To keep road traffic noise at bay, road traffic noise assessment is an important component in the process to prevent the problem through planning, to abate the problem and to get public involvement because assessment including noise prediction models has to be conducted to scale the problem, to design mitigation approach and to present the effectiveness of various options.

The Hong Kong Institute of Acoustics(HKIOA) in association with Hong Kong Institution of Engineers - Mechanical, Marine, Naval Architecture and Chemical (HKIE-MMNC) Division are proud to present this course which aims at providing the local professionals with a structured frame starting from refreshing the basic concept, looking into the “Calculation of Road Traffic Noise” step by step, discuss with you some interesting cases and presenting to you the most updated and trendy assessment approach including 3D noise assessment and visualization tool. The course would also include a practical session with hands-on experience on 3D noise assessment. The outline of the course is:

Session 1 Basic Acoustics Concept

Session 2 Basic Road Traffic Noise Modeling Concept and Calculation of Road Traffic Noise Methodology

Session 3 3D Visualization Techniques for Modeling

Session 4 Practical Hands-on Experiences on 3D noise assessment and visualization tool

Session 5 Noise Assessment, Management and Mitigation in Hong Kong

Session 6 EU Noise Policy and Various Assessment Methodologies

Session 7 Noise Mapping

Session 8 Case Studies on Road Traffic Noise Assessment and end-of-course assessment

## Fee, Certificate, Language, Enquires and Registration

<b>Certificate:</b>	<p>Attendance certificates will be issued by HKIOA &amp; HKIE-MMNC Division to the participants after each session for counting in their CPD purpose.</p> <p>A Full Road Traffic Noise Assessment Certificate will be endorsed by HKIOA &amp; HKIE-MMNC Division and issued to the participants who registered and attended all compulsory sessions and one option session and successfully passing the end-of-course appraisal and assessment.</p> <p>The Full Road Traffic Noise Assessment Certificate will be recognized as HKIOA continuous professional development specifically on road traffic noise assessment.</p>
<b>Fee:</b>	<p><b>For members of HKIOA and HKIE</b>            HK\$450 per sessions S1, S2, S3, S5, S6, S7 and S8            HK\$400 per session if applicant applied more than 4 sessions of any combination of S1, S2, S3, S5, S6, S7 and S8            HK\$1500 per S4 Practical Hands-on Experiences on 3D noise assessment and visualization tool</p> <p>HK\$350 per session of S1, S2, S3, S5, S6, S7 and S8 if applicant applied the full course</p> <p><b>For Other Participants</b>            HK\$600 per session of S1, S2, S3, S5, S6, S7 and S8            HK\$2500 per session S4 Practical Hands-on Experiences on 3D noise assessment and visualization tool</p>
<b>Enquiries and Registration:</b>	<p>Reservations will be confirmed upon receipt of payment and availability of places in first-come-first-served. Successful applicants will be informed via e-mail. Cheque must be made payable to 'Hong Kong Institute of Acoustics' and be sent, together with the registration form, to Miss Karis Wan. The organizing committee reserves the right to allot the registration to members of the organizing institutions in case of over subscription.</p>
<b>Language:</b>	English
<b>Course Administrator:</b>	Miss Karis Wan Tel. 2491 4110; Email: kariswan@atal.com.hk Address: 17/F, Java Commercial Centre, 128 Java Road, North Point, Hong Kong.
<b>Deadline of application:</b>	1/9/2008  Course information/registration form is also available from web sites <a href="http://www.hkioa.org">www.hkioa.org</a> and <a href="http://www.hkie-mmnc.org">www.hkie-mmnc.org</a> .
<p><b>The course is supported by the Environmental Protection Department.</b></p>	

## Date, Time and Venue

Session	Topic	Date/Time/Venue	Speaker
<b>S1 – Option</b>	Lecture: Basic Acoustics Concept	8/9/2008 7:00pm – 9:00pm HKPC	Dr. Lixi Huang
<b>S2 – Compulsory</b>	Lecture: Basic Road Traffic Noise Modeling Concept and Calculation of Road Traffic Noise Methodology	10/9/2008 7:00pm – 9:00pm HKPC	Ms. Grace Kwok
<b>S3 – Compulsory</b>	Lecture: 3D Visualization Techniques for Modeling	12/9/2008 7:00pm – 9:00pm HKPC	Mr. Andy Chung
<b>S4 – Compulsory</b>	Practical Hands-on Experiences on 3D noise assessment and visualization tool	13/9/2008 9:00am – 12:00noon Chinese University of Hong Kong Room 222, Wong Foo Yuan Building, Chinese University of Hong Kong	Mr. Edmund Chu and Ir Priscilla Chan
<b>S5 – Option</b>	Lecture: Noise Assessment, Management and Mitigation in Hong Kong	17/9/2008 7:00pm – 9:00pm HKPC	Ir CK Lee
<b>S6 – Option</b>	Lecture: EU Noise Policy and Various Assessment Methodologies	19/9/2008 7:00pm – 9:00pm HKPC	Dr. CW Law
<b>S7 – Option</b>	Lecture: Noise Mapping	22/9/2008 7:00pm – 9:00pm HKPC	Dr. CW Law and Ms. Sharon Leung
<b>S8 – Compulsory</b>	Lecture: Case Studies on Road Traffic Noise Assessment and end-of-course assessment	24/9/2008 7:00pm – 9:00pm HKPC	Mr. Alvin Tse and Ir CK Lee

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

# Certificate Course on Road Traffic Noise Management and Assessment

## Enrollment Form

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

Full Name : \_\_\_\_\_

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

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

Tel : \_\_\_\_\_ Fax: \_\_\_\_\_

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

I am a member of :

HKIOA  HKIE  Non-member

Membership no. : \_\_\_\_\_

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

Session	Topic	Date/Time/Venue	Fee	Enroll
<b>S1 – Option</b>	Lecture: Basic Acoustics Concept	8/9/2008 7:00pm – 9:00pm HKPC		
<b>S2 – Compulsory</b>	Lecture: Basic Road Traffic Noise Modeling Concept and Calculation of Road Traffic Noise Methodology	10/9/2008 7:00pm – 9:00pm HKPC		
<b>S3 – Compulsory</b>	Lecture: 3D Visualization Techniques for Modeling	12/9/2008 7:00pm – 9:00pm HKPC		
<b>S4 – Compulsory</b>	Practical Hands-on Experiences on 3D noise assessment and visualization tool	13/9/2008 9:00am – 12:00noon Chinese University of Hong Kong Room 222, Wong Foo Yuan Building, Chinese University of Hong Kong		
<b>S5 – Option</b>	Lecture: Noise Assessment, Management and Mitigation in Hong Kong	17/9/2008 7:00pm – 9:00pm HKPC		
<b>S6 – Option</b>	Lecture: EU Noise Policy and Various Assessment Methodologies	19/9/2008 7:00pm – 9:00pm HKPC		
<b>S7 – Option</b>	Lecture: Noise Mapping	22/9/2008 7:00pm – 9:00pm HKPC		
<b>S8 – Compulsory</b>	Lecture: Case Studies on Road Traffic Noise Assessment and End-of-course assessment	24/9/2008 7:00pm – 9:00pm HKPC		

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

**Notes:**

1. Please fax the completed enrollment form to Miss Karis Wan, Fax 2984 1155, E-mail: kariswan@atal.com.hk, Address: 17/F, Java Commercial Centre, 128 Java Road, North Point, Hong Kong. for reservation
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 Miss Karis Wan.
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, time and speakers
7. The payment is non-refundable.