



香港聲學學會
Hong Kong Institute of Acoustics

SOUNDING BOARD

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Report on HKIOA 2012 AGM

13 June 2012

Victoria Room, Regal Hong Kong Hotel

By Dr. K.W. Cheng & Dr. C.W. Law



- Members, the Executive Committee, together with 29 guests from other local professional institutes and organizations attended the AGM and joined the Annual Dinner afterwards.
- Following the declaration of opening, our Chairman, Mr. Tom Ho presented the 2011-12 Annual Report to our members. To sum up, session 2011-12 was an extremely fruitful year for the Institute and, in particular, the Institute had successfully organized the ACOUSTICS 2012 HONG KONG Conference & Exhibition in May. Members could continue to benefit from activities organized by the Institute or jointly organized with other professional institutions including technical visits, seminars and social gathering.
- The size of our Institute was also steadily growing with new comers from local practitioners in the field of acoustics. Our financial status was also healthy with balanced revenue and expenditures. The full 2011-12 Annual Report was available at: <http://www.hkioa.org/activities.html>.



Our Chairman, Mr. Tom Ho, presented the Annual Report to members



Dr. Kin Cheng was elected as the Chairman 2012-2014.

- Mr. M.K. Cheung, Mr. William Fung, Dr. Clief Tang were newly elected as Executive Committee members while Dr. K.W. Cheng, Mr. Wilson Ho and Dr. Randolph Leung were re-elected with Dr. Cheng being the new Chairman.
- Mr. Tom Ho shared with members the great success of ACOUSTICS 2012 HONG KONG Conference & Exhibition, which was held and organized by HKIOA at the Hong Kong Convention and Exhibition Centre from 13 to 18 May 2012. There were around 1,500 registered participants from 41 countries, with over 1,300 high level abstracts received among which over 1,150 papers were presented. Besides, more than 25 exhibitors showcased their latest technological developments and products. Tom believed that the success of the conference would lay the foundation for more collaborative efforts among the four acoustical societies. Details of the conference are available at: <http://www.acoustics2012hk.org/>.
- Tom thanked all members for their continual support during his chairmanship for the past 4 years. The AGM followed by the Annual Dinner was completed at around 11:00 pm. Looking ahead, HKIOA would continue its effort in organizing different kinds of functions aiming at benefiting our members while at the same time upholding members' professional quality and conduct.



Handing over of the Student Branch (IVE) to the new Branch Chairman



Prof. K.C. Lam received the Hon. Fellow Membership and souvenir from Tom.



Members and guests at the Annual Dinner.

Report on Meyer Poon Memorial Awards 2012

2 August 2012

EF305, HKPolyU

By Raymond Lee



- Totally 7 entries were received by 2 July for the Meyer Poon Memorial Award, 3 in the undergraduate category and 4 in the postgraduate category. All entries were short-listed and invited to present their work. The presentation was started at 7:00 pm with the award ceremony completed at 10:00 pm. The judging panel consisted of Dr. C.K. Chau, Dr. Kin Cheng, Dr. C.W. Law, Dr. Raymond Lee, and Dr. Clief Tang.
- The awards were presented by HKIOA Chairman, Dr. Kin Cheng, to the winners immediately following the judging panel discussion. We congratulated the students for winning this year's awards and thanked all supervisors for encouraging their students to participate in this annual activity.

- **Winner:** Lam Cheung, Choi Yun Sing, Iu Pui Hoi, Kam Tsz Yan Joanna, Lau Shiu Long, and Ting Kam Tung: Power Generation & Vibration Reduction by Floating Slab Using Recycled Loudspeakers
- **1st runner-up:** Ng Tsz Kin, Man Chi Hon, and Ng Lun Hoi: Hybrid Duct Noise Control Method
- **2nd runner-up:** Cheng Hiu Ching: Natural Ventilation of Building Using Wing Wall and New Acoustic Material

- **Winner:** David Mark Wong: The Impedance of Micro-slit Panel on Normal Incident Sound
- **1st runner-up:** Yang Qian: Thermo-mechanical Properties of One-dimensional Nanostructures Based on Nonlocal Elasticity Theory
- **2nd runner-up:** Yu Yumiao: Analytical and Numerical Studies for Nanotubes and Nanoplates Based on a Nonlocal Elasticity Approach

Report on Seminar on Innovative Noise Mitigation Designs and Measures in Hong Kong

28 September 2012

Lecture Theatre LT41, IVE (Morrison Hill)

By Dr. K.W. Cheng, Dr. C.W. Law & Mr. Aaron Lui

- Owing to the high population density, road traffic noise in Hong Kong is always the major challenge in designing residential developments. All along, the Environmental Protection Department (EPD) has been promoting various design forms and measures for mitigating road traffic noise. With the concerted effort from stakeholders, many innovative designs including building setback, building block designs and orientation, noise shielding walls and barriers as well as internal flat layout designs have been deployed in previous residential developments.
- To facilitate the wider use of innovative noise mitigation designs and measures against road traffic noise, the EPD has collated examples on innovative building design forms and measures that are proven effective in mitigating traffic noise affecting residential developments in the form of a web-based database.



Ir Maurice Yeung gave the background and various examples of road traffic noise mitigation measures used in HK.



Mr. Aaron Lui introduced the newly developed web-based platform on “Innovative Noise Mitigation Designs and Measures”.

- During the seminar, Ir Maurice Yeung presented various examples of innovation noise mitigation designs adopted in Hong Kong and the current trend for further development. It was followed by the talk of Mr. Aaron Lui, who introduced to the audience the new web-based database and conducted a demo on its usage. The database has been made available in EPD's website as a platform for information sharing among concerned professionals and interested parties (<http://www.epd.gov.hk/epd/Innovative/greeny/eng/index.html>).
- Overall, the seminar provided an excellent opportunity to share with members the current road traffic noise mitigation measures adopted in Hong Kong and the new web-based platform on "Innovative Noise Mitigation Designs and Measures". The seminar was well received by over 30 participants.



Participants showed great interest in the talks.



Group photo of organising team and speakers.



Report on “Innovative Building Designs for Noise Mitigation” Seminar jointly organised by HKIOA and HKIA

19 October 2012

Forum Room 1, Regal Hotel, Causeway Bay

By Maurice Yeung and Grace Kwok

**THE JOINT HKIOA AND HKIA HALF-DAY SEMINAR
ON
"INNOVATIVE BUILDING DESIGNS FOR
NOISE MITIGATION"**

**ANNOUNCEMENT
and
Invitation**

DATE: 19 October 2012 (Friday)
TIME: 1:30pm – 5:30pm
VENUE: Regal Hong Kong Hotel



- The “Innovative Building Design for Noise Mitigation” seminar jointly organised by HKIOA and HKIA was held successfully on 19 Oct 2012;
- a total of 131 participants of which 114 were registered participants;
- 6 invited guest speakers (Mr Maurice Yeung, Prof SK Tang, Ms Mary Chan, Ms Grace Kwok, Mr Freeman Cheung and Ms Ada Fung) presented distinguished talk on the subjects;
- Dr Kin Cheng of HKIOA and Mr Dominic Lam of HKIA gave welcoming speech and notes;
- Prof KC Lam gave closing remarks
- Views and ideas were exchanged at the Q&A session

Programme

Time	Program/Topic/Activities
13:30 – 14:00	Registration
14:00 – 14:10	Welcoming Speech & Notes Dr. Kin Cheng, Chairman of the HKIOA Mr. Dominic Lam, President of the HKIA
14:10 – 14:30	"Innovative Building Design for Noise Mitigation – the Latest Trend" Mr Maurice Yeung, Chairman (1998-2000), the HKIOA
14:30 – 14:50	"Theoretical Basis of Building Designs for Noise Mitigation" Prof SK Tang, Professor, Building Services Engineering Dept., Hong Kong Polytechnic University
14:50 – 15:10	"Practicability of Building Designs for Noise Mitigation" Ms. Mary Chan, HKIA Environment and Sustainable Development Committee Member
15:10 – 15:40	Coffee Break
15:40 – 16:00	"Application of Building Designs for Noise Mitigation – Recessed Window & Acoustic Window" Ms Grace Kwok, Allied Environmental Consultant
16:00 – 16:20	"Adopting Building Designs for Noise Mitigation – Hostel of Hong Kong Polytechnic University" Mr Freeman Cheung, AECOM
16:20 – 16:50	"Application of Building Design for Noise Mitigation in Public Housing Development" Ms Ada Fung, Deputy Director (Development and Construction), Housing Department
16:50 – 17:10	Q&A
17:10 – 17:20	Closing Remarks Prof KC Lam, the Chinese University of Hong Kong
17:20 – 17:30	Presentation of Souvenirs, photos taking

The ½ day seminar received overwhelming responses. Forum Room 1 of Regal Hotel Hong Kong was fully packed.





1

2

3

- 1 Mr Maurice Yeung talked about the latest trend in applying noise mitigation measures
- 2 Dr Kin Cheng and Mr Dominic Lam with the 3 speakers in the first session
- 3 Mr Dominic Lam gave the welcoming speech
- 4 Prof Tang presented the theoretical side of building design as noise mitigation measures
- 5 Ms Mary Chan highlighted practical examples of applying building designs as measures
- 6 Dr Kin Cheng welcomed the delegates to the ½ day seminar

4

5

6



A	B	C	D
E	F	G	

- A Ms Ada Fung gave an overview of how HD tackles noise in designing public housing
- B Mr Freeman Cheung talked about noise mitigation design in hostel of Polytechnic University
- C The MC of seminar – Ms Valerie Kung and Dr CW Law
- D Prof KC Lam gave the closing remarks
- E Ms Grace Kwok presented noise mitigation design in liberte and hostel of Lingnam University
- F Guest speakers and organising committee
- G Question and answer session

Report on
The 5th Cross-strait Many Cities
Symposium on Acoustics
第五屆 - 海峽兩岸多地聲學技術交流研討會

23-24 November 2012

Luxemburg Room, Regal Kowloon Hotel

By Dr. K.W. Cheng & Mr. William Fung



1

- ✓ In the past three year, the symposiums were held in Taipei (2009), Shanghai (2010), and Hangzhou (2011) respectively, and in 2012, the meeting was organized by the Hong Kong Institute of Acoustics in Hong Kong, and co-organized by the Shanghai Acoustical Society, the Acoustical Society of Republic of China, and Chinese Society of Sound and Vibration.



2

- ✓ The Local Organizing Committee (OC) comprised the Chairman, Dr. Kin Cheng, the Secretary, Mr. William Fung, and members including Dr. C.W. Law, Ir K.K. lu, Ir Maurice Yeung, Mr. Wilson HO, Mr. Aaron Lui, Ms. Valerie Kung, Dr. Randolph Leung and Dr. Lixi Huang. With the hard work of the OC, overwhelming responses were received with 67 delegates from PRC, Taiwan as well as Macau, and over 40 local participants.

3



1. Prof. Zhang Kui Sheng presented his talk on Acoustic Design of Philharmonic Hall in Shanghai Oriental Art Centre.
2. Delegates took photos on the presentation materials.
3. Delegates enthusiastically raised questions during the Q&A session.



1

- ✓ Prof. Zhang Kui Sheng of the Zhang kui-sheng Acoustic Design and Research Studio in Shanghai; Prof. Jong-Tsun Huang, the President of China Medical University in Taichung; and Mr. Terry YU of the Victory Sciencetech Co. Ltd. in Taipei led the delegates from the said respective acoustical societies to join the event. Mr. Jacky Choi Weng Chun from the Environmental Protection Bureau of the Macau SAR Government also joined the symposium.



2

- ✓ 26 technical papers were presented during the 1 1/2-day programme, followed by the technical visit to MTR Tai Wai Depot. The programme was tight but fruitful and enjoyable. Delegates also enjoyed the banquet in the evening of 23 Nov with string quartet performance.



3

- ✓ The symposium was successfully conducted and provided an excellent opportunity for networking among participants. The next similar symposium will be organized by the counterparts in Taiwan in Nov 2013. HKIOA is looking forward to participate in such meaningful event.

1. Group photo of representatives from the acoustics societies involved.
2. Group photo of participating delegates.
3. Visit of MTR Tai Wai Depot.

Report on 2012 Joint Xmas Party

11 December 2012

38/F, World Trade Centre, Causeway Bay

By Mr. M.K. Cheung & Mr. Clief Tang

- ◆ A Christmas Party was jointly organised by HKIEIA, CIWEM and HKIOA.
- ◆ It was an excellent opportunity to mingle with all the environmental professionals from different disciplines and enjoy another wonderful social gathering among members of HKIEIA, CIWEM and HKIOA.
- ◆ The Party was well attended by members of the three professional institutes involved, with over 100 participants. They all enjoyed the nice wine and food, with highlights including party games, beer drinking contest, as well as lucky draw.



Beer drinking contest



HKIEIA, CIWEM & HKIOA Committee Members

Report on Seminar on Experience Sharing on Complaints Handling

14 January 2013

Lecture Theatre LT01, IVE (Morrison Hill), Wan Chai

By Mr. M.K. Cheung, Mr. Dane Tsa, Mr. C.L. Wong & Mr. Michael Lam

- ❑ With the approval of the Shatin-Central Link project in 2012, there are 5 railway projects being constructed at the same time in the territory along with other major civil projects such as Kai Tak Cruise Terminal and the Hong Kong-Zhuhai-Macau Bridge. The total cost of these railway projects alone is in excess of HK\$150 Billion. This is from 2 to 3 times more work than the Chek Lap Kok period.
- ❑ Hong Kong is a small city, but the construction methods employed are world class, and so are the environmental and noise mitigation measures. However, it is unavoidable that nuisances will arise from the course of works for those fast-track projects, which may result in complaints from the local communities and stakeholders. Apart from the much-needed construction for enriching Hong Kong's infrastructure, commercial and cultural activities are also common sources of noise which arouse people's concern while they are contributing dynamics to our tightly packed society.
- ❑ HKIOA has invited fellow members who are currently serving in the Environmental Protection Department to conduct a seminar about complaints handling and relevant case studies.
- ❑ The seminar gave an overview of the public's reaction to environmental noise, the general practice of complaints handling by EPD. There were also case studies to illustrate how Environmental & Acoustic professionals can be involved in avoiding and handling such complaints. The seminar was well received with over 80 no. participants.
- ❑ This seminar was co-organised by the IVE Student Branch and provided students an opportunity to participate in professional activity.



Speaker: Dana Tsai



Participants



Speaker: Michael Lam

Organising Team and Speakers



Speaker: CL Wong

Congratulations!!!



Our committee member has a lovely baby girl recently. She is the first child to the family. Can you guess who is her father/mother?

Hint: Author of the 1st and 3rd articles in this SB. Sure you will get it.

Wish you all a prosperous
Year of the Snake!!!