



香港聲學學會 Hong Kong Institute of Acoustics

Chairman's Report 2011/2012

Introduction

It has been my pleasure to serve as Chairman for HKIOA for the past year. This is the last year of my second term and I am stepping down after this meeting. I would like to take this opportunity to thank the Executive Committee for their dedicated support and hard work during the past year. We have accomplished a lot! The Institute has continued to provide professional developments to its members through various activities like technical seminars, site visits, etc. Our membership remains stable and our finance is sound and well.

During the past year, I had the privilege to represent HKIOA in attending the following important events:

- Inter-Noise in Osaka, Japan (September 2011);
- ASA meetings in Seattle (May 2011) and San Diego (November 2011)

I am very pleased to inform our members that the historic ACOUSTICS 2012 HONG KONG (first ASA/ASC/WESPAC/HKIOA joint meeting in Asia) organized by HKIOA in May 2012 at the Hong Kong Convention and Exhibition Centre was a great success. HKIOA received a lot of positive feedback after the conference. Special thanks to the Local Organizing Committee and in particular Ir Maurice Yeung, Ir CL Wong, Ir CK Lee, Dr Kin Cheng, Prof K C Lam, Dr CW Law, Mr. Aaron Lui, Ms. Angela Hui, Ms Grace Kwok, Ms Valerie Kung, Mr Tommy Wan, Dr Clief Tang, Mr Andy Chung Mr William Fung, Prof S K Tang, Dr C M Mak and Dr Randolph Leung for their hard work, well done!

I also like to thank the HKIOA Executive Committee again for their excellent participations and contributions to the Institute.

Executive Committee of the Institute

The Executive Committee met on a monthly basis to manage the business of the Institute, to organize and promote various activities and to foster professional development of our members. The 2011/2012 Executive Committee comprises of the Chairman, 11 elected Committee Members, 2 Co-opted Member and 3 invited Advisers as follows:

Elected Committee Members:

Committee Members (Session 2011-12)

Chairman	Mr. Tom Ho. PEng
Honorary Secretary	Dr. K. W. Cheng
Honorary Treasurer	Ms. Grace Kwok
Chairman, Membership Sub-committee	Dr. C. W. Law
Chairman, Publication Sub-committee	Ir. Y N Au Yeung
Chairman, Information Technology Sub-committee	Mr. Aaron Lui
Chairman, Building Acoustics Sub-committee	Dr. C. M. Mak #
Chairman, Activities Sub-committee	Mr. Wilson Ho
Chairman, Environmental Noise Sub-committee	Prof. S.K. Tang
Sub-committee member	Mr. Aaron Lui
Chairman, Noise & Vibration Sub-committee	Ir. Dr. Randolph Leung
Sub-committee member	Mr. Wilson Ho
Chairman, Professional Development & Education Sub-committee	Dr. Lixi Huang
Sub-committee member	Dr. Raymond Lee
Sub-committee member	Dr. C.W. Law
Chairman, Soundscapes Sub-committee	Ir. Maurice Yeung
Chairman, Construction Noise Sub-committee	Mr. M.K. Cheung #
Invited Advisor (Education)	Ir. Dr. Westwood Hong
Invited Advisor (Institution Advancement & Discipline)	Ir. K.K. Iu
Invited Advisor (External Liaison)	Ir. Maurice Yeung

Appointed by the 2011/12 Executive Committee as Co-opted Members

Finance

Our Institute is in a healthy financial position for the year ended 31 December 2011. Most of our income came from membership fees, seminar / course fees, and bank interest. The account of the Institute has been audited. Our Treasurer, Ms Grace Kwok in a separate report, will provide details of the financial situation.

Student Branch

The Student Branch at the IVE's Morrison Hill campus continued to foster and provides student opportunities to organize activities in the acoustics field. Technical Visit to MTR West Island Line – Kennedy Town Station and Overrun Tunnel was a good example of the function organized by the Student Branch.

Membership

The number of membership applications remained stable during the year 2011/2012, as compared with previous year. The Institute continue to receive enquires from local practitioners in acoustics expressing their interest in joining the Institute. We processed a total of thirty-three membership applications (from 27th February 2011 to 31st May 2012), eight were elected as Corporate Members and twenty-four were elected as Associate Members. Furthermore, we also assisted our counter-part, Institute of Acoustics of United Kingdom in assessing one of their membership applications. Despite the drop-out of a few members, we are hopeful that the Institute will continue to grow, with more new comers from various disciplines, which in turn will enrich the culture of the Institute.

The trend of membership and its profile up to 31st May 2011 are given as follows:

Grade	As at Feb 2005	As at 1 Mar 2006	As at 1 Feb 2007	As at 4 Feb 2008	As at 6 Feb 2009	As at 19 Feb 2010	As at 3 Mar 2011	As at 31 May 2012
Asso. Fellows	4	4	4	4	#	#	#	#
Hon. Fellows	2	2	2	2	2	2	3	3
Associate Members	54	51	53	54	58	58	64	74
Fellows	21	21	21	21	21	21	21	21
Members	150	155	171	182	187	193	199	194
Students	4	3	3	3	71	173	119	119
Total	235	236	254	266	339	447	406	408

Please noted that the grade of "Associate Fellows" has been dispensed according to the MOA of the HKIOA Limited since 2008. The members according to this grade of membership have been transferred to other grades.

In January 2011, a new class of Sponsor Membership was launched and open to companies, organizations or persons engage in or having an interest in acoustics, annual subscription is required. Staff of a Sponsor Member will get better exposure through participating events and activities organized by the Institute. Representatives of Sponsor Members will receive flyers, notifications and publications of the Institute from time to time. Full details are available from the HKIOA website.

Education

HKIOA Professional Diploma on Acoustics

This course has been made available under a de-centralized system making use of the extensive resources already available in Hong Kong, and the advantage of this operational model is that it caters to the needs of any number of students. The Executive Committee hopes that this diploma course would be helpful to those who wish to acquire more knowledge and qualifications in the acoustics field. Full details are given in the HKIOA website: <http://hkioa.org/diploma.html>.

Meyer Poon Memorial Awards for 2011

A total of 5 entries were received by 1 July, 2011 for the Meyer Poon Memorial Award, 4 in the undergraduate category and 1 in the postgraduate category. All five were accepted and the presentations were held on 1 August 2011 at EF305, HKPolyU. Presentation started at 7:20 pm and the award ceremony began at 9:50 pm. A total of seven panelists were involved, including Ir. Richard Kwan, Dr. Westwood Hong, Dr. Raymond Lee, Mr. Tom Ho, Ir. CL Wong, and Dr. Kin Cheng, Ir. KK Lu.

After a short panel discussion, HKIOA Chairman, Mr. Tom Ho, presented the awards. Congratulations to the following students for winning this year's awards and thank you to all the supervisors for encouraging their students to participate in this annual event.

Undergraduate category:

Winner: CHAN Cheuk Yiu, CHUNG Wai Tung, WONG Ka Ki: Flow-through silencer by hybrid method

1st runner-up: Chow Ka Ming, Fan Ka Heng, Lai Wai Ian, Viaduct vibration - FEM project

2nd runner-up: NG Ho Ting, TSANG Tsz Ho, YICK Siu Yu: Environmental noise control by barrier

Postgraduate category:

Winner: WANG Cong Zhi (PhD): Development of a vibro-ultrasound method for muscle stiffness measurement in vivo

Certificate Courses on Noise Control, Road Traffic Noise Assessment, Measurement and Product Noise Assessment

To foster continuous professional development, HKIOA together with HKIE-MMNC, organized a Certificate Courses on Noise Control, Road Traffic Noise Assessment, Road Traffic Noise Measurement and Product Noise Assessment in the January and February of 2012. These courses aim to provide local practitioners with current techniques and skills, which are required for noise control, road traffic noise assessment and measurement, and product noise assessment. These 19 sessions of courses were held mainly at the Hong Kong Productivity Council in Kowloon Tong campus. A practical session of noise modelling was conducted at Chinese University of Hong Kong (CUHK), another practical session of product noise assessment was at Polytechnic University of Hong Kong and an in-situ road traffic noise measurement was carried out at Wanchai.

Mr. Tom Ho from S & V Instruments Co. Ltd., Dr. Clief Tang from Materials Laboratory, Dr. Randolph Leung from Polytechnic University of Hong Kong, Ms. Grace Kwok from Allied Environmental Consultants Ltd., Mr. James Choi from EDMS Consulting Ltd., Ir Priscilla Chan from MTRCL, Ir CK Lee, Mr. Alvin Tse, Mr. Joe Leung and Mr. Jimmy Wong from Environmental Protection Department were the speakers. Thanks should also be given to Professor K.C. Lam from CUHK for the arrangement of practices. All of them were experienced professionals in the acoustics field. The responses were overwhelming and 37 participants were enrolled, mostly within the first two weeks of the announcement. The feedbacks were very encouraging. Participants generally considered that the certificate courses were very useful in the practise of noise control and gaining an understanding of the relevant legislations. Participants also considered that they could better their technical skills themselves in road traffic noise modelling and measurement. The Institute will continue to offer these courses on a regular basis and priority will be given to those who were not able to enrol last time.

Activities

The Institute has organized a number of activities to keep our members abreast of the trend and development in acoustics. We strive to foster partnership and synergy with educational and professional institutions for some of these activities. Special thanks to HKIE (Hong Kong Institute of Engineers) and HKIEIA (Hong Kong Institute of Environmental Impact Assessment) for their continuous support to many of our activities. Summary of events took place during 2011/2012:

Date	Activities
23 March 2011	2011 Annual General Meeting
16 April 2011	Technical Visit to MTR West Island Line Contract No. 705 Kennedy Town Station and Overrun Tunnel
11 October 2011	Technical Seminar: Advancement of 3D noise mapping in Hong Kong Jointly Organized with HKIE-EVD, HKIE-CAD, HKIE-YMC
21 October 2011	Technical Seminar: Power Hop of Agricultural Tractors
12 November 2011	Technical Visit to Contract No. DC/2007/12 - Design and Construction of Tsuen Wan Drainage Tunnel
4 January 2012 – 24 February 2012	Certificate Courses on Noise Control, Road Traffic Noise Assessment, Road Traffic Noise Measurement and Product Noise Assessment
13 May 2012 – 18 May 2012	Acoustics 2012 Hong Kong Conference & Exhibition
13 June 2012	2012 Annual General Meeting

Publication

Most of the activities conducted by the Institute were reported in our newsletter, "Sounding Board", which was released as an electronic publication on our website. It save as a good medium to inform our members on our achievements throughout the year and to provide news in the acoustic community to other readers. We thank those members who have contributed informative and interesting articles for this publication. A special issue published in 2011/2012 reporting the interview with Professor Norman KO, a renowned retired professor in Acoustics in HK. We will continue to make use of Sounding Board to share and communicate with our members.

Information Technology

Events organize or co-organize by HKIOA are regularly uploaded to the HKIOA website. Any person who is interested in joining HKIOA can visit our website to learn about the entry requirements and download an appropriate application form. In year 2011, HKIOA published information on our members and those acoustics related local suppliers/contractors/consultants who has subscribed to this service, on our website, we have also started on revamping our website so as to provide a better service to our Members and the public. It is anticipated that our new website will be ready in a few months.

The Acoustics 2012 Hong Kong (13 to 18 May 2012)

We are pleased to report that the ACOUSTICS 2012 HONG KONG Conference and Exhibition organized by HKIOA at the Hong Kong Convention and Exhibition Centre from 13 to 18 May 2012 (Sunday to Friday) was a big success!

The Conference was the joint meeting of the 163rd meeting of the Acoustical Society of America (ASA), the 9th meeting of the Acoustical Society of China (ASC) and the 11th Western Pacific Acoustics Conference (WESPAC), the Hong Kong Institute of Acoustics (HKIOA), organised by the HKIOA. It was a historic event being the first joint meeting between ASA & ASC. The Organizing Committee received overwhelming responses from around the world. There were around 1,500 registered participants from 41 countries at the conference, with over 1,300 high calibre scientific abstracts, and over 1,150 technical presentations were conducted during the 5-day conference. More than 25 exhibitors participated in showing their latest technologies and products. We received many post-conference enquiries to purchase the conference proceedings CDs especially for those who could not join the conference.

ACOUSTICS 2012 HONG KONG definitely provided an excellent opportunity for engineers and scientists in all fields of acoustics to learn and share their knowledge and research with other colleagues from around the world. We hope that this conference would lay the foundation for many more collaborations between the four acoustical societies in the future. For more details, please visit the website www.acoustics2012hk.org.

External Liaison

In 2011/12, we attended various international congresses and conferences to keep professionals and practitioners in Hong Kong updated on developments of noise control and acoustics in other parts of the world. We also took the opportunities to promote ACOUSTICS 2012 HONG KONG, enhance technical collaboration, share experience, and foster relationship. A brief account of these events are:

1. "Technical Acoustics" Journal –Ir. Dr. Randolph LEUNG and Ir. Dr. CM MAK continued to serve as members of the Editorial Board for this journal which is published quarterly. They liaise with the Shanghai Institute of Acoustics to make the collaboration a success, and promote submission of papers from our members for publishing.
2. The 40th International Congress and Exposition on Noise Control Engineering (also known as Inter-Noise 2011) – The Congress was held from 4 to 7 September 2011 in Osaka, Japan, and was sponsored by the International Institute of Noise Control Engineering (I-INCE), co-organized by the Institute of Noise Control Engineering of Japan (INCE/J), and Acoustical Society of Japan (ASJ). Technical programme comprised of 640 technical papers plus 2 plenary and 6 keynote lectures by distinguished speakers aiming to address the theme "Sound Environment as a Global Issue". The Hong Kong delegates were Mr. Tom Ho, Dr. Kin Cheng, Ir. Maurice Yeung, Professor K.C. Lam, Professor W.T. Hung, Professor Li Cheng and his students. Tom Ho also took part in the Inter-Noise Congress Selection Committee meeting to assist in deciding and recommending to I-INCE which society would host the coming Inter-Noise congresses. Dr. Kin Cheng presented the HKIOA's formal proposal of hosting Inter-Noise 2014 for the consideration by the Congress Selection Committee (CSC). The presentation went well in the morning of 3 September 2011. Unfortunately the CSC, chose Australia instead of Hong Kong given that fact that ACOUSTICS 2012 will be held in HK and also the coming ICSV will be held in Beijing, China.
3. The 4th Acoustics Professional and Technical Seminar (both sides of Strait) [第四届海峡两岸声学技术交流研讨会] – Our Past Chairmen, NC Cheung, KK lu and Maurice Yeung represented HKIOA to attend the seminar held in HangZhou from 29 to 30 October 2011. Over 100 delegates from different cities of China, Taiwan and Hong Kong gathered for a 2 day seminar to exchange the latest development of acoustical development in various subjects like concert hall acoustics, noise control practice on rail noise and city urban noise. The next seminar will be hosted by the HKIOA and is scheduled in late 2012 in Hong Kong.
4. The 12th National Noise and Vibration Engineering Control Conference – Our Past Chairmen, KK lu and Maurice Yeung represented the HKIOA to attend the

conference held in WuXi from 1 to 2 Nov 2011. The 2-day conference focused on control principles and practices in noise and vibration issues. Over 200 delegates from different part of China, Taiwan and Hong Kong joined the discussion.

We often collaborate with HKIE, HKIEIA and HKPolyU in organizing seminars and courses and this form of cooperation has proven to be of mutual benefits to our members and we hope to have more similar joint functions in future.

Sponsorship for 2011 Inter-Noise

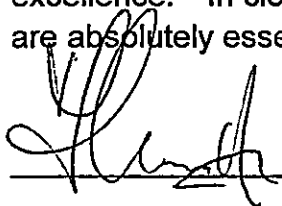
In order to encourage active participation in international acoustics conferences, the Institute provided a total of 3 sponsorships of HK\$3,000 each to our members who presented technical paper in 2011 Inter-Noise conference held at Osaka in September 2011. We hope that our members can benefit in terms of exposure and networking through this sponsorship.

The Way Forward

With all the great efforts, achievements, and available resources from our members, I am confident that our institute would be able to move forward to a new level of international recognition. Indeed, the institute has gained significant recognition from many overseas institutions after the success of ACOUSTICS 2012 HONG KONG.

I have been serving HKIOA as Chairman for the past 4 years and I enjoy and treasure the experience of working with all of the committee members and their fellowship. I shall be stepping down at this AGM and handing in over to the New Chairman elect. I wish him all the best and hope that he will have the same experience as I had.

I shall continue to participate and assist the Executive Committee. No doubt, there will be challenges ahead as we move towards a closer collaborations with other international institutions in the future. I am sure that our newly elected Chairman will strive to keep the enthusiasm and momentum to raise the institute to the next level of excellence. In closing, I would like to stress that continual support from our members are absolutely essential to make our institute a professional and successful society.



Tom Ho
Chairman