

Message from the Chairman



Dr CM MAK

I have executed the duties of the Chairman for almost two years (2006-2008). It is my privilege to serve the only professional institute solely devoted to acoustics in Hong Kong. I will step down as Chairman soon but hope that I can still serve you as the institute's executive committee member. With the effort and the commitment of our executive committee members, we have recently organized more railway noise control seminars, delegation visits to Japan and Taiwan and joint publication of the "Technical Acoustics" journal. I represented the institute to attend the 3rd International Symposium on Temporal Design in Guangzhou on 2-7 November and the annual meeting and 20th Symposium of Acoustical Society of Taiwan on 23 Nov 2007. Thank you for the support of our members.

The 14th International Congress of Sound and Vibration

Dr CW LAW

The 14th International Congress of Sound and Vibration (ICSV14) was held during 9-12 July 2007 at Cairns Australia. ICSV14 was the annual Congress of the International Institute of Acoustics and Vibration (IIAV), and was held in conjunction with the annual conference of the Australian Acoustical Society (AAS). The Congress was organized by IIAV, AAS and the University of New South Wales (UNSW), in cooperation with the International Union of Theoretical and Applied Mechanics (IUTAM). The Congress was well attended. According to the organizer, a total of 558 papers from 46 countries were received for presentation. The scientific program of ICSV14 consisted of seven keynote lectures, 37 structured sessions and 24 regular sessions. Some members of HKIOA attended the conference, including Prof KC LAM, Prof KM LI, Dr CF NG, Dr SK LAU, CK LEE and CW LAW. Dr LAW was invited as the member of International Scientific Committee to organize and chair a structured session on GIS Applications in Noise Assessment, which attracted eight presentations from various areas including Australia, Japan, UK, Korea and HK.



Message from the Editor

YN AU YEUNG



This is the last edition of our newsletter in the executive committee year 2007. We had quite a fruitful year with our committee/non-committee members

participating in various functions and activities, both local and overseas. Our Chairman Dr Mak participated in Conferences/Symposia in Taiwan and China. Dr CW Law took part in ICSV14 in Australia. Besides, Our Activities Sub-committee Chair Wilson continued to organize his series of seminars on railway noise. All these can be found in this issue of our Sounding Board. Snap shots of the last AGM were included to refresh your memories and to conclude the current and to look forward to the coming executive committee years. Wish you enjoy reading our newsletters.

The 3rd International Symposium on Temporal Design in Guangzhou

Dr CM MAK



On 2-7 November 2007, the 3rd International Symposium on Temporal Design was jointly organized by our Institute, State Key Laboratory of Subtropical Building Science, Faculty of Architecture, South China University of Technology and Academic Committee for Architectural Acoustics, Architectural Society of China. The venue is South China



University of Technology (SCUT), Guangzhou. The SCUT is a multidisciplinary university of high reputation in South China. There were various scientific topics in the symposium including "Architectural Acoustics", "Community and Environmental Noise", "Architecture and Urban Design Adapting to Human and Environment", "Soundscape", "Music Composition and Performing Style to be Blended with an Auditorium", "Temporal Design for Architectural and City Design", "Environmental Psychology and Physiology, Environmental Engineering (including Visual, Heat, and Air)" and "Changing Natural Environment and Methods of Adaptation". It was a successful event with different background participants from countries such as mainland China, Hong Kong, Korea, Japan, Taiwan and Italy. In the last day of the function, we were arranged to visit

SCUT campus and the State Key Laboratory of Subtropical Building Science.



International Conference on Building Acoustics

(2007 國際建築聲學學術研討會)

Dr CM MAK



Dr CM Mak, HKIOA chairman, attended 2007 International Conference on Building Acoustics in Department Architecture, National Taiwan University of Science and Technology in Taipei on 22 November 2007. He was invited to give a keynote speech on "Development of a Prediction Method for Flow-generated Noise Produced by In-duct Elements in Ventilation Systems". There were other keynote speakers from UK and USA. It was a successful event that delegates shared their



knowledge on the latest development in the field of building acoustics, including Soundscape and Urban noise policies, Auditorium Acoustics, Sustainable Acoustics and duct-borne sound in buildings.



20th Symposium of Acoustical Society of Taiwan

Dr CM MAK

As a representative of HKIOA, I attended the annual meeting and 20th Symposium of Acoustical Society of Taiwan at China University of Science and Technology in Taipei on 23 November 2007. I was invited to give a keynote speech on "Methods for Assessing the



Performance of Vibration Isolators of Building Services Equipment". Together with other delegates, I was arranged to visit the campus and facilities of the University. It was a successful event that speakers from various scopes of acoustics presented their papers. Besides, it was a good opportunity for people from acoustics industry or academic institutes to meet friends and to foster the relationship between HKIOA and the counterpart in Taiwan.

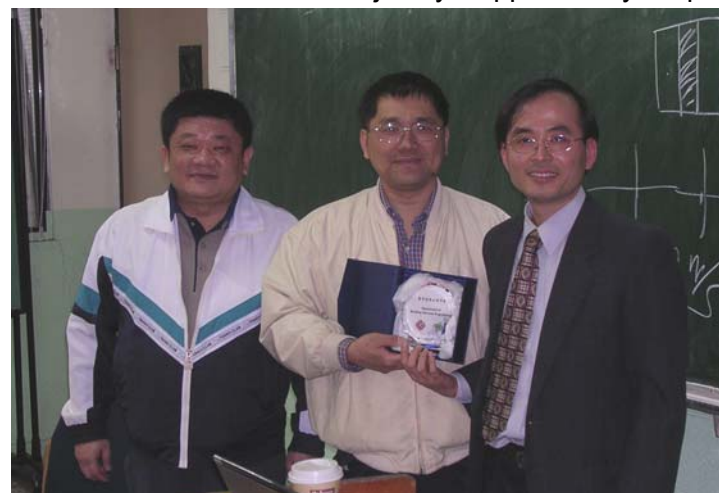


台灣音響學會徐淵靜(右)及香港聲學學會麥卓明(左)

Technical Seminar in Taiwan

Dr CM MAK

Dr CM Mak gave two speeches in a technical seminar jointly supported by Taipei Refrigerating and Air-Conditioning Engineer Association, Taiwan Air Cleaning Association, and the Department of Energy and Refrigeration Air-Conditioning Engineering National Taipei University of Technology on 24 November 2007. Two speeches were "Numerical Studies of the Ventilation Performance of Architectural Features Used in Residential Buildings", and "Experimental and Theoretical Studies of Flow-noise in Ductwork". Many delegates asked questions and shared their views on the topics.



Railway Noise Control Seminar Series 2007

Wilson HO

Year 2007 is a fruitful year for HKIOA in terms of organization of technical seminars and training courses. Apart from the Road Traffic Noise Seminars and Training Course, HKIOA organized 9 technical seminars on railway noise control as shown below and a proceeding CD was published. The proceeding CD contains most of the presentation slides in the first 8 technical seminars. Presentation slides in the 9th seminar were restricted by the speaker due to concern of technical data confidentiality.



Dr Glenn Frommer

rapid expansion. New the Airport Express Line (WRL), Tseung Kwan O On Shan Line (MOS), East Extension, Lok Ma Chau Kowloon Southern Link under construction. these new extensions, we achievement of stringent populated city in the world, which enables Hong Kong to take a leading role in noise control technology for metro railways.



Barry Murray

In the last decade, Hong Kong's transit system underwent railway lines including (AEL), West Rail Line Extension (TKE), Ma Tsim Sha Tsui (ETS) (LMC) SpurLine and (KSL) were built or Through developing pride ourselves on the noise limits in a highly

It is anticipated that more new railway lines will be developed by Hong Kong Government in the near future, including Express Rail Line (XRL), Northern Link (NOL), Shatin Central Link (SCL), West Island Line (WIL), South Island Line, etc. In order to foster the invaluable previous project experiences among professionals and provide up-to-date information on railway noise control technology for the design work in the future railway



Prof Bill Barron



Joey Koo & Edmond Chiu

lines, Hong Kong Institute of Acoustics (HKIOA), supported by Hong Kong Institute of Environmental Impact Assessment (HKIEIA) organized a series of Railway Noise Control Seminars in 2007. Relevant professionals from railway operators (2 from MTRC and 2 from KCRC), rail product manufacturers (Tiflex), academy (Civic Exchange and HK PolyU) and consultancy sectors

(Wilkinson Murray and Wilson, Crocket & Associates) were invited as guest speakers. The last seminar was completed on 18/12/07 and a proceeding CD is now available for members with administrative cost.

Date	Speaker	Title	Venue
10/1/07 (Wed)	Dr Glenn Frommer, MTRC	Implementation of Acoustic Measures in EMU and Stations	FJ302 HKPolyU
13/2/07 (Tue)	Barry Murray, Wilkinson Murray	Variations and Uncertainties of Rail Noise and Vibration	Y416 HKPolyU
21/3/07 (Wed)	Prof Bill Barron, Civic Exchange	Role of Rail in Hong Kong's Sustainability	RHKYC
18/4/07 (Wed)	Ir Joey Koo & Ir Edmond Chiu, KCRC	Permanent Way - the Challenges and Development	Y611 HKPolyU
9/5/07 (Wed)	Ir Richard Kwan, KCRC	Managing Expectations - Noise from Ma On Shan Rail	Y303 HKPolyU
11/7/07 (Wed)	Catherine Leung, MTRC	Evolution of Railway Noise Control	FJ302 HKPolyU
18/9/07 (Tue)	Dr Trevor R Smith Tiflex Limited	A Manufacturer's Overview on Attenuation of Railway Track Noise	FE305 HKPolyU
29/11/07 (Thur)	Dr CF Ng HK PolyU, Civil & Struct. Eng. Dept	High Speed Rail in China, Korea and Japan	N001 HKPolyU
18/12/07 (Tue)	Alan Crockett Wilson, Crockett & Associates Ltd	Trackform Vibration Reduction - Myths and Legends Reviewed	M104 HKPolyU



Richard Kwan



Catherine Leung

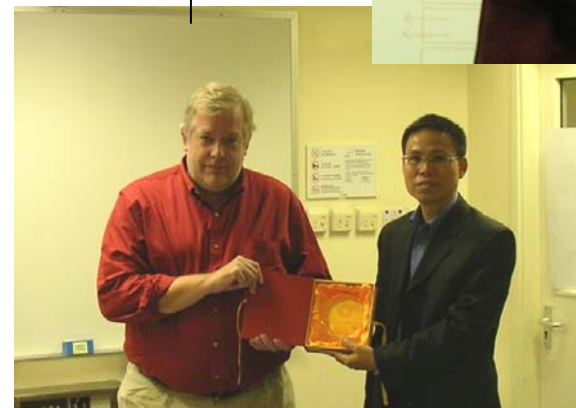


Dr Trevor R Smith

Dr CF Ng



Alan Crockett



On behalf of HKIOA, I would like to express my sincere thanks to all the speakers for their active sharing of newly developed technical knowledge, particularly to the guests from MTRC and KCRC. We hope to shape the world with a better living environment, where people can enjoy both quietness and convenient transportation that they are longing for.

Snap Shots of AGM 2007

YN AU YEUNG



DO YOU WISH TO BE ON THE LIST OF ACOUSTICAL PROFESSIONALS?

CL WONG

From time to time we receive enquiries from different sectors of our society for information on acousticians or noise consultants who can provide professional services such as noise testing or assessment. The Executive Committee of HKIOA has recently decided to maintain a list of Members who are interested to offer such services to the public. This list will be posted on the Institute's webpage and we shall refer to that list when handling future similar enquiries. We believe this is not only a means to meet the demand of our community, but also an opportunity for us to promote the integrity and professional interest of our members.

In general, the list of acoustical professionals will be classified into two categories:

- (i) members who can provide general acoustical services such as noise assessment, noise measurement, monitoring, etc; and
- (ii) members who can provide product noise testing services, in particular for the purpose of certifying noise testing reports in respect of applications under the current Noise Control (Hand Held Percussive Breakers) Regulations or Noise Control (Air Compressors) Regulations. (For this class of services, you need to be a Corporate Member of the Institute of Acoustics of the United Kingdom as required under the above regulations.)

If you are a Corporate Member of the HKIOA and wish to be included in the list, so as to serve the community either in your individual capacity or through your affiliation, please send an e-mail to admin@hkioa.org indicating your interest.

Articles published in this Newsletter do not necessarily reflect the views and opinion of the Hong Kong Institute of Acoustics. Sounding Bound is an official journal of the Hong Kong Institute of Acoustics.