

# SOUNDING BOARD

 香港聲學學會  
Hong Kong Institute of Acoustics

March 2011 Issue

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## Student Night – IVE (Morrison Hill) Student Branch

YN Au Yeung

A student night, organized by the IVE (Morrison Hill) Student Branch of HKIOA, was held in the evening of 16 Dec 2010 on IVE (MH) campus. It aimed at providing a chance for students to have a gathering and to meet industrialists from the acoustics field. HKIOA committee members, KK Iu and MK Cheung, shared with students their experience in the environmental/acoustic aspects. Student representatives talked about their experience in summer internship and AYP. Besides the “academic” side, students’ talent was revealed in their musical performance. Participants all enjoyed the evening.



Three HKIOA Committee Members (middle) and Six Student Branch's Executive Committee Members (left & right)



Students performing Chinese Opera



Students playing guitar

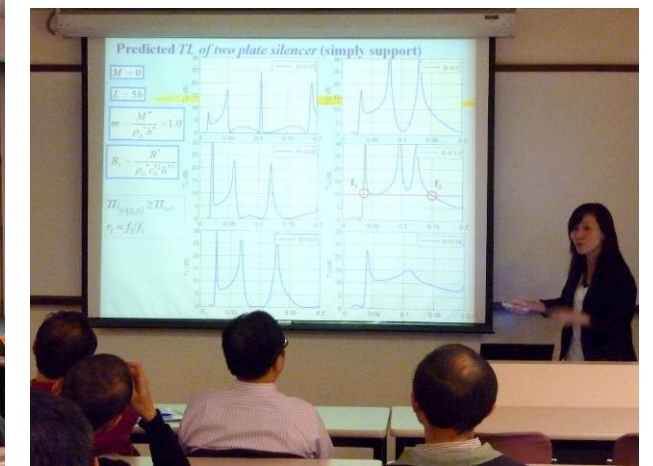
## Seminars on Industrial Noise

Randolph C. K. Leung

Industrial equipment manufacturers are often faced with customers' negative reactions to unwanted sound of their industrial products. The sound is not always annoying but sometimes contributes to positive attributes of the product. The sound may indicate how smooth the product is working and may enhance the pleasure in using it. Nowadays engineers should be able to incorporate acoustical knowledge into engineering design processes so that the positive attributes of sound are enhanced, while the negative ones are reduced. With an aim to enhance members' knowledge in analyzing and designing the sound of industrial products, two seminars in industrial noise were arranged on January 14 and 28, 2011 with titles of “Product Acoustics – Fundamental Issues” and “Compact Plate Silencer”. The seminars were co-organized with Department of Mechanical Engineering, PolyU and ASME Hong Kong Section. In the first seminar, Ir Dr Randolph C. K. Leung shared his experience in how to integrate acoustical knowledge and customers' desire in the engineering design of products. In the second seminar, Dr Yatsze Choy introduced the ideas of the design of a new type compact plate silencer. The seminars were well attended by practicing mechanical engineers, acoustical consultants, industrial component manufacturers and acoustical measurement experts. They raised many interesting questions regarding the skills in bridging the customer requirements and noise design of industrial products and the seminars ended with fruitful sharing of ideas and experience.



Snapshot at seminar on *Product Acoustics – Fundamental Issues*.



Snapshot at seminar on *Compact Plate Silencer*.

## Membership Data (as at 3 Mar 2011)

C W Law

Membership Grade	Number
Honorary Fellow	3
Fellow	21
Member (Corporate & Overseas)	199
Associate Member	64
Student	119
<b>Total</b>	<b>406</b>

# ACOUSTICS 2012 HONG KONG

Maurice YEUNG

The Hong Kong Institute of Acoustics (HKIOA) is pleased to have privilege to organize The ACOUSTICS 2012 HONG KONG conference and exhibition - (a joint meeting of the 163rd meeting of the Acoustical Society of America (ASA), the 8th meeting of the Acoustical Society of China (ASC), the 11th Western Pacific Acoustics Conference (WESPAC) and the Hong Kong Institute of Acoustics (HKIOA). It will take place at the Hong Kong Convention and Exhibition Centre from 13 to 18 May, 2012 (Sunday to Friday).

Tom Ho, Prof KC Lam and I attended the ASA meeting in November 2011 in Cancun, Mexico to discuss with ASA regarding the progress, organisational structure and technical programme of the ACOUSTICS 2012 HONG KONG. There would be another progress meeting in Hong Kong for representatives from ASA, ASC and WESPAC to gather again to further discuss the organizing of ACOUSTICS 2012 HONG KONG.



Tom, Maurice, Lisa Zurk (ASA), Whit Au (ASA) and KC in ASA meeting held in Nov 2010 in Cancun, Mexico

## Building Acoustics - Seminar 3 : “Assessment of Noise and Vibration in Intelligent Buildings using Intelligent Building Index”

Ir. Dr.C.M.Mak

On 30 September 2010, HKIOA, Department of Building Services Engineering of the Hong Kong Polytechnic University, Department of Real Estate and Facility Management of IVE jointly organized the building acoustics seminar on “Assessment of Noise and Vibration in Intelligent Buildings using Intelligent Building Index” at QR404 lecture theatre of the Hong Kong Polytechnic University. This is the third of a series of building acoustics seminars. We had the honour inviting Dr. Edward C.Y. Yiu, Assistant Professor of the Department of Real Estate and Construction of the University of Hong Kong as the speaker in that evening. He is one of the most active researchers of building intelligence in Hong Kong. He has involved in the development of the Building Intelligent Index and edited the book titled “Contractual and Regulatory Innovations in Building and Real Estate”. He has been the Chairman of the Technical Committee in the Asian Institution of Intelligent Buildings. He then shared with participants about his experience and views on assessment of noise and vibration issues in buildings using Intelligent Building Index. A question and answer session was given to the participants after the talk of the speaker.



Snapshot at seminar on *Product Acoustics – Fundamental Issues*.



Snapshot at seminar on *Compact Plate Silencer*.

## Building Acoustics – Seminar 4 : “Building Acoustics - Assessment Based on Green Building Labelling Tools”

YN Au Yeung

The “Building Acoustics – Assessment Based on Green Building Labelling Tools” seminar was jointly organized by HKIOA, HKIE Building Services Division, Dept of REFM of IVE (Norrison Hill) and Dept of BSE of Hong Kong Polytechnic University on 18 November 2010 on IVE (Morrison Hill) Campus. Thanks to Ir Prof Daniel CHAN and Ir Nelson YK TAM from Daniel Chan & Associates Ltd for being the speakers. Green building labeling tools were introduced with emphasis on BEAM Plus: the BEAM Plus requirements for Pre-requisites and new credits with particular focus on the acoustic related aspect. Experience on LEED projects was also shared. The seminar was well received by over 100 participants.



Ir Prof Daniel Chan



Ir Nelson Tam



Discussion after the talk

## Visit to Taiwan

NC Cheung and KK Iu

KK Iu and NC Cheung represented HKIOA to attend two events in Taiwan in November 2010. These major events include the 23<sup>rd</sup> AGM of Acoustical Society in Taiwan and the Symposium of Noise Control Policy of the Chinese Region which covers Mainland China, Taiwan, Hong Kong and Southeast Asia.

### Symposium of Noise Control Policy of the Chinese Region

The Symposium was organized and sponsored by the Environmental Protection Administration Executive of Taiwan. The event was held in Taipei. A team of delegates from Shanghai Acoustics Society were participated in the Symposium. The event was chaired by Dr. Hsieh, The Chairman of the Taiwan Sustainable Energy Research Foundation. A series of noise control policy topics were presented by the authorities in Taiwan, the delegates from Mainland China and the Acoustical Society in Taiwan. The highlights included presentation of the noise control policy, regulations and guidelines for Taiwan by Amy IC Lin from the Department of Air Quality Projection and Noise Control, Acoustic Holography presented by Shanghai Acoustic Society, and the strategy of handling noise complaints in Taiwan. NC Cheung delivered the welcome speech in the capacity of the past Chairman of HKIOA in the Symposium.



### 23<sup>rd</sup> AGM of Acoustical Society in Taiwan

The AGM was held in Feng Chia University in Taichung. Apart from the scheduled programme of the meeting, Dr. Sze, Chairman of the society welcomes the delegates from Shanghai Acoustic Society and HKIOA representative. NC Cheung represented HKIOA to deliver greeting speech to event and exchanged trophies in the ceremony. The highlight of the event was the key note presentation of the Noise Mitigation of the High Speed Rail Development in Japan delivered by Dr. Kohei Yamamoto, President of Acoustical Society of Japan.

Over the entire period of visit on the 18 and 19 November 2010, we would like to thank all the arrangements and hospitality extended by Mr. Terry Yu of OE Scientech Co., Ltd., during our visit in Taiwan.

