

## Message from the Chairman

Dr CM MAK



I have executed the duties of the Chairman for almost a year. With the effort and the commitment of our executive committee members, we have organized a series of railway noise control series, HKIOA short courses, delegation visits to Shanghai and Taiwan, various seminars on road traffic noise, social evening, local technical visits and joint publication of the "Technical Acoustics" journal. Thank you for the support to our members.

We will continue to invest in the expansion of the Institute and the development of its members in various areas including education, professional development and publications. The institute will continue to serve the interests of its members through its activities, short courses and seminars.

## The 13th International Congress of Sound and Vibration

Dr Randolph CK LEUNG

The 13<sup>th</sup> International Congress of Sound and Vibration (ICSV13) was held during July 2-6, 2006 at Vienna University of Technology, Vienna, Austria. The Congress was organized by International Institute of Acoustics and Vibration (IIAV) with support from the Institute for Mechanics of Materials and Structures of Vienna University of Technology, Acoustics Research Institute of



The performance on joy and sadness of Mozart's musical journey.

the Austrian Academy of Sciences and Austrian Federal Ministry of Education. The Congress was well attended by 900 participants from 58 countries/regions with over 860 registered delegates. Seven renowned acousticians were invited to give plenary keynote lectures. There



Musical performance at Congress banquet.

were three paper presentations from Hong Kong delegates. Dr Leung was invited to organize and chair a Structured Session on "Computational Aeroacoustics – Methods and Models" which attracted five presentations. In addition, he represented HKIOA as an observer in the International Institute of Acoustics and Vibration (IIAV) Board of Directors Meeting, during which various issues relating to IIAV operations and future ICSV planning were discussed and updated.



Having a good time with Prof. J. Kang.



The 35<sup>th</sup> International Congress and Exposition on Noise Control Engineering (INTER-NOISE 2006) was held from 3<sup>rd</sup> to 6<sup>th</sup> Dec 2006 in Honolulu, Hawaii, USA. The Congress was sponsored by the International Institute of Noise Control Engineering (I-INCE) and co-organised by INCE USA and INCE Japan. The theme of the Congress is "Engineering a Quieter World".

The Congress was well attended. According to the organizer, there were about 1100 participants from 44 countries including over 720 registered conference delegates, over 80 students, 135 accompanying persons and 170 attendees from the conference exhibitors. 640 technical papers were presented in 105 technical sessions. Inter-noise 2006 provided a wonderful venue for exchange of latest and up-to-date information about cutting-edge research and innovation developments in the entire spectrum of noise and vibration control. Apart from this, there were also 42 poster presentations.



(from left to right): Prof. Joseph LAI, Prof. WT HUNG, Prof. KM LI, CK LEE, Prof. YW LAM, Dr. SK LAU, Mrs. & Prof. SK TANG & Maurice YEUNG at the Welcoming Reception.

Amongst the over 720 registered delegates, 8 were from Hong Kong. They were Prof. KC LAM (from Chinese University of Hong Kong), Prof. KM LI (originally from Hong Kong Polytechnic University and is now with Purdue University), Prof. SK TANG, Prof. WT HUNG and Dr. SK LAU (all from Hong Kong Polytechnic University), Richard KWAN (from KCRC), CK LEE and Maurice YEUNG (both from EPD).



THE MAGNIFICENT EIGHT FROM HK: (from left to right) Richard KWAN, Prof. KC LAM, Prof. WT HUNG, Prof. KM LI, Prof. SK TANG, Maurice YEUNG, CK LEE & Dr. SK LAU.

The Congress invited 3 distinguished speakers to give top quality lectures. Dr Tjeert ten Wolde of the Netherlands talked about "Quality aspects of the European and global noise policies on environmental noise" on 4 Dec. Dr Tatsuo Maeda of Japan shared with us the experience of "Japanese Shinkansen noise: Development of noise reduction technology" on the next day and Dr Gilles A

Daigle of Canada discussed about "Sound the last day of the Congress."

Apart from technical session, a global noise policy workshop with the theme "Implementation and Enforcement of Noise Control Policies" was held on 4<sup>th</sup> Dec. Representatives from various countries including USA, Australia, Japan, Sweden, New Zealand, Korea, Brazil, Turkey and Mexico presented papers in this workshop.

Before the Congress commenced on 3 Dec., Prof. KC LAM, Prof. SK TANG and Maurice YEUNG attended on behalf of HKIOA the Technical Study Group 7 which looks into the Global noise policies on the aspect of occupational noise, community noise and product noise. The

Group would continue the works of Technical Study Group 5 with more expanded scopes. The Group would basically meet once every year in the inter-noise for intensive discussion.



The Chinese delegates gathered and mingled whilst attending Inter-noise 2006 in Hawaii.

We took the opportunity to make new acquaintances and also to renew old friendships. Inheriting from Inter-noise 2003 & 2004, we arranged a gathering for Chinese delegates from various places including HK, the Mainland, Taiwan, UK, Australia, Sweden, Germany and Singapore on 4<sup>th</sup> Dec 2006. We had fun and we also ensured to keep in touch for various purposes.

While Inter-noise 2007 would be held in Istanbul of Turkey from 28<sup>th</sup> to 31<sup>st</sup> August 2007, the I-INCE also announced that Inter-noise 2008 would be held in Shanghai from 26<sup>th</sup> to 29<sup>th</sup> October 2008. Members are encouraged to attend.

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## Railway Noise Control Seminar 1: Implementation of Acoustic Measures in EMUs and Stations

Wilson HO

On 10 January 2007 evening, we had the honour in inviting Dr. Glenn Frommer of MTRC to present a very informative seminar "Implementation of Acoustic Measures in EMUs and Stations". The seminar was jointly organized by HKIOA, HKIEIA, ME and BSE Department of Hong Kong Polytechnic University (HKPolyU). There were more than 15 HKIEIA members, 35 HKIOA members and 7



non members attending the seminar. Using EIAs as the connecting theme, Dr. Glenn Frommer focused on Implementation of Acoustic Measures in EMUs and Stations, and summed up the experience gained in the last decade. Dr. Glenn Frommer also described

the development of acoustic measures implementation approaches and methodologies which was first introduced in the Lantau and Airport Railway over a decade ago.

Our Chairman Dr. CM Mak represented HKIOA and presented a souvenir to Dr. Glenn Frommer and thanked him for his marvelous speech at the end of the talk.



## Railway Noise Control Seminar 2: Variations and Uncertainties of Rail Noise and Vibration

Wilson HO



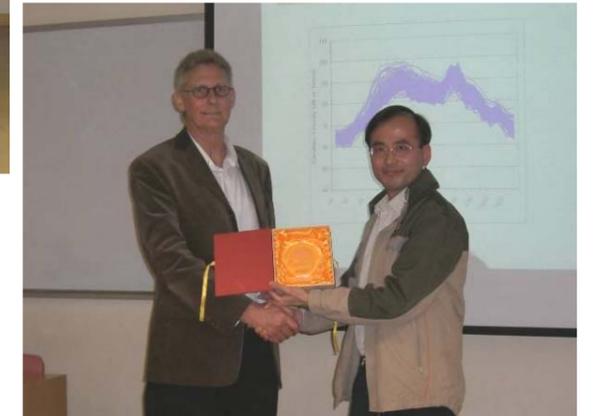
On 13 February 2007 evening, HKIOA, HKIEIA, ME and BSE Department of Hong Kong Polytechnic University (HKPolyU) jointly organized a technical talk on variations and uncertainties of rail noise and vibration. There were more than 13 HKIEIA members, 25 HKIOA members and 4 non-members attending the seminar. In this seminar, Mr Barry Murray addressed noise and vibration prediction procedures for rail projects and emphasize those variations and uncertainties. He showed extensive railway noise and vibration measurement data and identified that most of the uncertainties were associated with the wheel and rail conditions. He addressed ways to predict the variations and appropriate methods for incorporation of these variations in the setting of noise and vibration limits and in designing noise and



vibration mitigation measures.

vibration mitigation measures.

During the Q & A session, the appropriateness of  $L_{max,fast}$  for describing the overall train noise was earnestly discussed. At the end of the seminar, our Chairman Dr. CM Mak presented a souvenir to Mr Barry Murray to show our gratitude.



## Message from the Editor

YN AU YEUNG



This is the last issue of our Newsletter in the executive committee year 2006/07. We would like to thank you for your continuous support to our Institute.

In our previous issues, apart from individual cases, it was mainly one way communication with our release of information and messages to members. To enhance two way communication, we appeal your further support by writing more to us so as to render the Newsletter more interesting to read. It is our asset.

*The contents of 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.*