

SOUNDING BOARD

 香港聲學學會
Hong Kong Institute of Acoustics

December 2009 Issue

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Chairman's Message "Welcome again to HKIOA"

Tom Ho

I take pleasure to inform you that HKIOA is alive and well. A new slate of committee members has been selected and they are as follows:

Chairman	Tom Ho
Immediate Past Chairman	CM Mak
Hon. Secretary	KW Cheng
Hon. Treasurer	Grace Kwok
Chairman, Membership SC	CW Law
Chairman, Publication SC	CL Wong
Chairman, Information Technology SC;	Wilson Ho
Chairman, Activities SC;	Wilson Ho
Chairman, Vibrations SC	Wilson Ho
Chairman, Building Acoustics SC	YN Au Yeung & CM Mak
Chairman, Industrial Noise SC	Randolph Leung
Chairman, Professional Development & Education SC	Lixi Huang
Chairman, Environmental Noise SC	Rodney Ip
Chairman, Soundscapes SC	Maurice Yeung
Adviser (Education)	Westwood Hong
Adviser (Institution Advancement & Discipline)	KK Iu
Adviser (External Liaison)	Maurice Yeung

Please note that we have formed new sub-committees to cover topics such as Vibration, Environmental Noise, Industrial Noise and Soundscape in order to cater for the interest of our members.

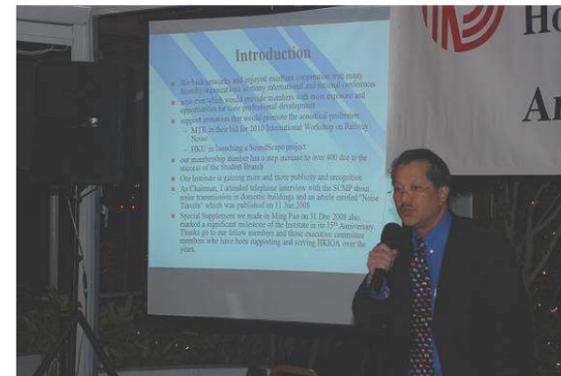
We continue with our usual activities such as technical visits, both local and abroad, and seminars for various sound and vibration topics. Wilson Ho is doing a good job as usual and working hard on a new program for next year starting January 2010.

We have been busily attending international conferences, and to name a few, we attended Inter-Noise 2009 in August in Ottawa, Canada and WESPAC X 2009 in September in Beijing. We will be attending the Shanghai-HK-Taiwan first ever joint meeting in November in Taiwan. I am happy to report to you that we are keeping in touch with our neighbouring Acoustical Societies particularly those in China and Taiwan.

I am very excited and proud to inform our members that with Maurice Yeung's special efforts, HKIOA has succeeded to win the bid to host WESPAC XI 2012 in Hong Kong. We will continue to expand our connections with other Acoustical Societies in other parts of the world and hope that one day we will be able to host even bigger conferences such as Inter-Noise in Hong Kong.

Highlights of the 2009 Annual General Meeting

C.L. Wong



Tom presenting his Chairman's Report

The 2009 AGM was held on 18th March 2009 at the Lawn of the Royal Hong Kong Yacht Club. In addition to some 40 members joining the AGM, we also had guests from other organizations and educational institutions that we have collaborated with us on various functions in the past year.

The AGM began with the 2008-09 Annual Report from the Chairman, Mr. Tom Ho. His report included the encouraging development of the Student Branch, the promotion of education and study in acoustics (through the Meyer Poon Memorial Award, courses on Road Traffic Noise Management & Assessment, and supporting

courses organized by PolyU and IVE). He told us the Institute has been gaining more and more publicity and recognition along with its development over the past 15 years. A special supplement on Ming Pao for celebrating the 15th anniversary of HKIOA was released on 31 Dec 2008.

Tom also gave us a digest of the seminars and activities conducted in the past, and many of them were fruits from the cooperative efforts with local professional bodies as well as counterparts in Shanghai and Taipei. Members were encouraged to actively participate in international noise conferences. INTER-NOISE 2008 was one of them and for the first time HKIOA offered financial support to several members attending the Congress and presenting papers there. In addition, Tom signed an agreement with the Editorial Office of "Technical Acoustics" and started a new collaboration for 2009.



We are also told about the outcome of the bid for hosting InterNoise 2011 in Hong Kong. Although a very strong competitor from Japan succeeded, we earned very good experience and would apply it to future opportunities.

The Chairman's report was followed by the report from the Honorary Treasurer, Ms. Grace Kwok on the Institute's financial status.

While thanks were given to the retired Committee Member Dr. Ben Ho, the forum re-elected Mr. C.L. Wong, Dr. Randolph Leung, and Mr. Wilson Ho to continue to

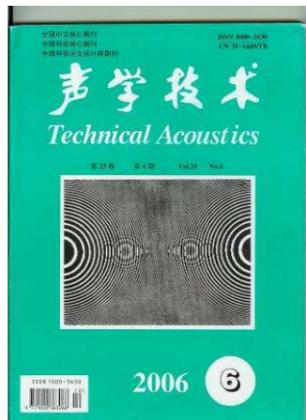
serve and elected Dr. KW Cheng as a new Committee Member.

The AGM was uplifted by an interesting speech by the Founding Chairman of the HKIOA, Dr. Westwood Hong. The venue was not only filled with nice foods and friendly talks that followed, but also with jazz music performed by Prof. Mano and his team.

Technical Acoustics 声学技术

全国中文核心期刊, 中国科技核心期刊, 中国科技论文统计源期刊

C.M.Mak



We started our collaboration with the Editorial Board of the Journal "Technical Acoustics" on publication of the journal since Jan 2006. It has been more than three years. Dr. Randolph Leung and I now represent HKIOA to be the Member and the Associate Editor in Chief of the Editorial Board respectively. We are responsible for handling editorial matter and ensure the quality of the articles published in the journal.

The journal is published bi-monthly. Articles are either in Chinese or in English. The first to fifth issues are usually in Chinese. The sixth issue in December is usually in English. Our members and acoustic professional are highly encouraged to submit articles in English to the journal to share their knowledge of acoustics. In order to encourage more articles from Hong Kong, HKIOA will pay publishing fee for papers from our fellow

members. You will obtain more information about the journal and the guidelines for authors to prepare the manuscript at http://www.hkioa.org/web/technical_acoustics.htm. If fellow members are interested in publishing an article in the journal, please send them directly to me at becmmak@polyu.edu.hk or Dr. Leung at mmrleung@inet.polyu.edu.hk.

Selected papers published previously in the journal:

1. Lee Chee-Kwan, Law Chi-wing, Tai Moon-kwong Daniel, Yeung Kwok-leung Maurice, "A fusion of novel technologies for road traffic noise assessment (1) -3D GIS based territory wide noise model", (2007), pp.1220-1225, **26(6) Technical Acoustics**.
2. Han Ning and Mak Cheuk-ming, "A general formalism for acoustic 2-port source with multi-propagating modes in duct", (2007), pp.1214-1219, **26(6) Technical Acoustics**.
3. Han Ning and Mak Cheuk-ming, "Estimation of break-out sound power level due to turbulence caused by an in-duct element", (2006), pp.653-657, **25(6) Technical Acoustics**.
4. Ho Wilson, Crockett Alan, Raine Andy, "Measurement and Prediction of Groundborne Noise and Vibration from a Tunnel Boring Machine", (2006), pp.658-664, **25(6) Technical Acoustics**.

Social Night at Backstage

Maurice Yeung, Grace Kwok

IT WAS JUST WONDERFUL, FANTASTIC AND SUPERB. Not only because HKIOA just held a successful event on 25 Feb 2009, it was the participations and supports from 40 members of HKIOA and guests filling up the space inside Backstage; and that HKIOA brought our activities to another dimension – live music performance with wonderful acoustic effect. We had the great pleasure to have Prof Mano (from Music Faculty of Hong Kong University) and his friends played terrific Latin Jazz during whole event. The great responses from the floor told us that they just loved it. Maurice shouted for his request of the famous Bosso Nova "Girl from Ipanema" while Tom was after Santana's "She's not there". Both of them got well entertained.

Tom Ho, apart from welcoming members and guests, remarked that HKIOA would like members to enjoy the every moment of this social night and also taking the opportunity to build up networking within the profession and industry. We look forward to having more of this kind of activities in the coming future.



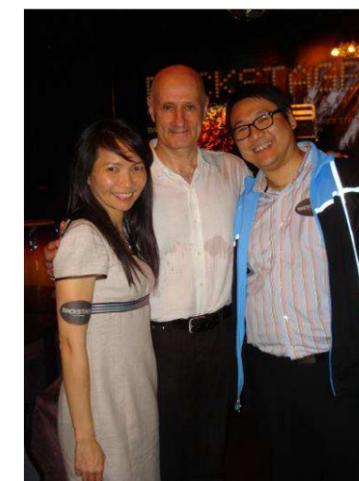
Claudine, our MC and Tom HO at the Social Night



Prof Mano and his friends played wonderful Latin Jazz



Maurice singing with the band??



Thanks to Grace for her wonderful effort to make this social night come true

Public Lecture on "Birds to Bells, Toads to Car Horns: Listening in to Acoustemologies in New Guinea, Europe, and Africa 1976-2009"

Maurice Yeung

This was a public lecture by the University of Hong Kong on 14 May 2009. The HKIOA, HKIE -MMNC, HKIEIA and soundpocket Hong Kong jointly and proudly presented this event to local engineers, architects, planners, acoustic and noise control professionals, practitioners and academics, as well as musicians. With audio and video examples, the speaker, Prof. Steven Feld from the University of New Mexico explored the myriad connections between sounds, cosmologies, and ecologies in order address the importance of acoustemology (acoustic epistemology) as a way of knowing the world.



Prof. Feld lecturing at the Arts Centre

Prof. Daniel Chua (Head, HKU School of Humanities,) presenting a souvenir to Prof. Feld

Interview with the British Broadcasting Corporation (BBC) Radio Science Unit

KW Cheng, CL Wong

Sounds in a metropolitan high-rise city like Hong Kong certainly have their own characteristics and uniqueness as compared with other European cities. Such features are not only attractive to acoustics researchers but also to Mr. Rami Tzabar (Executive Producer of BBC Radio Science Unit) and Prof. Trevor Cox of Salford University, UK who were preparing some radio programmes about sounds, noises and cities, and interested in how Hong Kong reshapes its soundscapes to reduce noise pollution.



Committee members interviewed by Mr. Rami Tzabar and Prof. Trevor Cox

Mr. Rami and Prof. Cox came to visit Hong Kong on 24 May 09 to do some sound recordings and research. Taking the opportunity, our committee members were interviewed by them on 25 May 09. Prof. K.C. Lam of the HKCU and Ms. Yeung Yang of the "Soundpocket" also participated in the meeting to share their experiences. There was an active discussion about the Hong Kong's urban soundscapes as compared with other European cities that they experienced. Prof. Cox also briefed us the current acoustic research in Salford University and the U.K. IOA's operation for which he is the Elected-President next year.

The dialogues were considered useful to facilitate exchanges and network with these counterparts in UK, and more importantly, to publicize the institute through the BBC channels.



CM Mak presenting souvenirs to Prof. Trevor Cox (Left) and Mr. Rami Tzabar (Right)

香港声学学会参与 第十一届全国噪声与振动控制工程学术会议

K K Iu & Andy Chung

会议主题"改善声学环境, 共建宁静生活"的第十一届全国噪声与振动控制工程学术会议已于2009年6月5日~7日在北京市热公馆召开。今年的学术会议仍由中国环保产业协会噪声与振动控制委员会牵头组织, 联合了包括香港声学学会在内的全国共九个与噪声振动控制、建筑声学和环境声学相关的专业学会、协会联手举办。

会议主要以技术交流及主题论坛的形式开展, 包括相关企业及产品的推介活动, 举办企业家论坛、组织新企业、新产品、新技术的展示和交流, 并邀请了知名专家学者与参会代表进行互动技术交流。

作为主办单位之一, 香港声学学会(HKIOA)很荣幸能够参与本次会议, HKIOA 派出钟伟梁先生(Andy Chung) 为与会代表; 前会长姚景光先生(K K Iu)更发表了学术文章。另外, 大会亦特邀了几份非常与有份量的报告, 包括:

- 噪声控制工程学的诞生和发展—方丹群、张斌、卢伟健
- 环境噪声控制的发展动向—程明昆、徐欣
- 演艺建筑工程与建筑声学专业的发展和思考—章奎生
- 噪声地图开发及应用研究—张斌、卢文成、李孝宽
- 噪声控制工程三十年—吕玉恒

第十一届全国噪声与振动控制工程学术会议既是全国噪声振动专业技术人员学术交流的盛会, 也是企业充分宣传介绍及交流沟通的平台。



座谈会气氛热烈



程明昆教授(中前), 姚景光(后右2) 与其他与会代表合摄

Building Acoustics Seminar "Shaping up our future concert halls through acoustical analysis of our 5 existing performing venues for classical music in Hong Kong"

C.M.Mak

On 2 July 2009, HKIOA and Department of Building Services Engineering of the Hong Kong Polytechnic University jointly organized the building acoustics seminar on "Shaping up our future concert halls through acoustical analysis of our 5 existing performing venues for classical music in

Hong Kong” at FJ302 lecture theatre of the Hong Kong Polytechnic University. This is the first of a series of building acoustics seminars. We had the honour inviting Mr. Patrick Shek as the speaker in that evening. He is a theatre audio engineer with over 30 years of experience. He has been the head of audio departments for such theatres and concert halls as Hong Kong Cultural Centre, Ko Shan Theatre, Shatin Town Hall, etc. He has recently returned to Hong Kong from the position as audio system supervisor in the Melbourne Art Centre, Australia, to promote the education of theatre audio in Hong Kong. Based on his hands-on experience in concert hall acoustics in HK and overseas, he started by briefly introducing the history of Hong Kong concert hall acoustics. He then shared with us about his experience and views on the acoustical performance of 5 existing performing venues for classical music in Hong Kong. He further talked about various acoustical parameters used in concert halls and later talked about the acoustical design of various concert halls in the world. A question and answer session was given to the participants after the talk of the speaker. In order to show our appreciation, Dr. Kin Cheng, the Honorary Secretary of the HKIOA, presented a souvenir to the speaker at the end of the seminar.



Enlightening seminar given by Mr. Patrick Shek

One-day Seminar & Half-day Workshop “Effective Noise Control Policies for Metropolis”

Maurice YEUNG

The HKIOA and Building Services Engineering Department of the Hong Kong Polytechnic University joined hands to organize the captioned seminar and workshop on 23 & 24 July 2009. The event was supported by the Hong Kong Institution of Environmental Impact Assessment, Mechanical Marine Chemical and Naval Architecture Division and Building Services Division of the Hong Kong Institution of Engineers, the American Society of Mechanical Engineers (Hong Kong Section) and the Engineers Australia (Hong Kong Chapter). The event attracted over 110 engineers, acoustic and noise control professionals and practitioners. Some came all the way from Singapore and Australia. A workshop was specially arranged in the afternoon of 23 July. The workshop included a site visit followed by open forum. Site visit was intended to facilitate delegates to keep abreast of noise mitigation measures commonly adopted in Hong Kong. Open forum discussion served as warm up event for delegates.

It was our great honour to have invited Mrs Marion Burgess, the renowned noise control researcher from School of Aerospace, Air Defense Force Academy, University of New South Wales. Apart from academic works, Marion was actively involved in international working group on various noise control issues. She shared with the delegates her experience through the following 3 presentations: “Trends in Environmental Noise Control”; “From Idea to Implementation - Policy for Controlling Environmental Noise”; and “Evaluating Effectiveness of Noise Control Measures”. Marion pointed out that, apart from setting guidelines and developing appropriate tools, transparency of information and the way to prioritizing action plans were also important in controlling environmental noise. For establishing policy, this could be a 6-step actions including assessing the problems, considering action plans and review the situations by means of evaluating the effectiveness. On evaluating the effectiveness, Marion shared the works from OCED, EU, I-INCE and CAETS. She also pointed that evaluation would need to consider achievement of objective goals, subjective reaction and how low would achievements last.

We were also very pleased to have 5 local heavy weighted acoustic professionals, experts and academics to share their experience and views. Prof Ir Daniel Chan illustrated “Noise Control Practice in Hong Kong” through 2 real case examples; Mr Freeman Cheung highlighted some important works through real case examples on “Environmental Noise Control and Problem Solving”; Mr PS Ng provided very informative outlines of “Using Low Noise Road Surfacing in Hong Kong”; Dr Randolph Leung illustrated through interactive video to the delegates his latest research area of “Numerical Prediction of the Effectiveness of Noise Barrier Design”; and Prof KC Lam gave a very forward looking idea of using noise management rather than noise control in his talk of “Enhancing the Acoustic Environment of Hong Kong: How Much We Know and What Can We Do?”.



Speakers and organizing committee for the seminar

This seminar and workshop provided a very good opportunity for local professionals and practitioners to keep abreast of the international trend as well as the local practice. It also provided good platform for exchanging views and experience.

Meyer Poon Memorial Award 2009

Lixi HUANG

A total of 10 entries were received by the closing date of 1 July 2009, 6 for the undergraduate category, and 4 for the postgraduate category. Four candidates were shortlisted for the undergraduate category and three for the postgraduates. Following the oral presentation held from 7-10pm, 18 August 2009, at EF305, PolyU, the following candidates won the awards:

Undergraduates:

Winner (from PolyU-ME): FONG Henry, LEE Pui Kuen, WONG Yin Wai:
“Improvement of Noise and Performance of Domestic Product Installed with Fans.”

First runner-up (from PolyU-CSE): KAN Man Hong Leo:

“The effect of transparent material on improving the impact of noise on occupational health and safety condition in the workplace.”

Second runner-up (from PolyU-ME). HO Pui Chi, LAW Shek Chun, SO Pak Hei:
 “Flow through Silencer by Absorption”

Postgraduates:
 Winner: CHAN, King-chung Kenny (from PolyU-HTI, MSc):
 “Assessment of Lung Diseases In-vivo using Acoustic Transmission”

First runner-up: KAM Wing Sze Elizabeth (from PolyU-ME, PhD):
 “Prediction of Noise Generation by using Modeled Boltzmann Equation (BE)”

Second runner-up: TSANG Vivien Wai (HKU-Architecture, MArch): “Touching sound”

We warmly congratulate all the candidates for their excellent work and for their participation in this year's event.



Oral presentation by shortlisted candidates



Assessors and the candidates

16th International Congress on Sound & Vibration

Lixi HUANG

The 16th International Congress on Sound and Vibration was held in Krakow, the beautiful ancient capital of Poland, from 5-9 July 2009. A total of 1,110 people from 61 countries indicated their interest and the final number of participants is 672, which the organizers considered to be very encouraging considering the H1N1 factor. Dr Lixi Huang attended the Board of Directors of the International Institute of Acoustics and Vibration on behalf of HKIOA. The meeting mainly discussed the efforts to increase the academic recognition of the International Journal of Acoustics and Vibration and the venue of the next congress (2012). Three shortlisted candidates from Europe presented their exciting bids and members also expressed their hope that the Congress can soon go back to Asia Pacific in normal rotations.

Membership Data (as at 1 Dec 2009)

C W Law

Membership Grade	Number
Honorary Fellow	2
Associate Member	59
Fellow	21
Member (Corporate & Overseas)	191
Student	173
Total	446

Noise, Vibration and Acoustics related Consultants/Contractors/Suppliers

Wilson Ho

From time to time, we receive enquiries about information on acousticians, suppliers or consultants that can provide professional services related to noise, vibration and acoustics. In order to serve the public better, we have made available on the Institute's webpage (<http://www.hkioa.org/>) a list of those relevant companies in Hong Kong. If you are interested to be included in the list, please feel free to give us an e-mail by writing to admin@hkioa.org.

Acoustical Consultants		
Name of Company	Telephone	Fax
Acoustic Testing Services Limited	26909126	26909125
AECOM Asia Company Ltd	31058537	28910305
Allied Environmental Consultants Limited	28157028	28155399
Architectural Acoustics (Holdings) Limited	23673232	
Atkins China Ltd	29721000	28810056
BMT Asis Pacific Limited	28152221	28153377
Hyder Consulting Ltd	67792613	28055028
Innovation Environment limited	28686055	28683055
Parsons Brinckerhoff (Asis) Ltd	25798899	28569902
Shen Milsom & Wilke Ltd	28511086	25444266
Supreme Acoustics Research Limited	28108248	25370092
University of Nebraska-Lincoln	+1 (402) 554 3858	+1 (402) 554 2080
Vipac Engineers and Scientists (Trad. Div. of TCIL)	25289378 / 68027327	29878217
Westwood Hong & Associates Limited	28382738	
Wilson Acoustics Limited	31881170	34228117
ZEMAC ENGINEERING HOLDINGS LIMITED.	25113862	25073946

Acoustical & Noise Control Work Contractors		
Name of Company	Telephone	Fax
Acoustics & Air Testing Laboratory Co. Ltd.	26683423	26686946
Industrial Acoustics Co (HK) Ltd	25281138	25291961
Mason Industries (HK) Ltd	29679639	29671772
NAP Acoustics (Far East) Limited	28662886	28663777
Supreme Environmental Research (Shenzhen) Limited	86-755-2718-7983	86-755-2718-7998

Acoustical & Noise Control Product Suppliers		
Name of Company	Telephone	Fax
Aerotech Acoustics Limited	24213067	24213970
Architectural Acoustics	23673232	27248001
Building Harmonic (Asia) Ltd.	24301770	24302638
Industrial Acoustics Co (HK) Ltd	25281138	25291961
Kinetics Noise Control (Asia) Ltd	21921488	21912477
Manson Acoustics Ltd	29679639	29671772
NAP Acoustics (Far East) Limited	28662886	28663777
Nature & Technologies (HK) Limited	28773112	25110922
Spectris China Limited	25487486	28581168
Supreme Environmental Research (Shenzhen) Limited	86-755-2718-7983	86-755-2718-7998
S&V Samford Instruments Ltd.	28339987	28339913

Information contained in the above tables is supplied by the companies listed therein and is for reference only. This webpage is not an exhaustive list of all companies providing services in relation to acoustics matters. HKIOA does not warrant or guarantee that the above information is accurate. The inclusion of any company in the tables does not imply recommendation or approval by HKIOA. Likewise, non-inclusion of any company should not be construed as disapproval by HKIOA.

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