



Hong Kong Institute of Acoustics

SOUNDING BOARD

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The 8th Cross Strait Many Places Acoustics Technical Conference (第八屆海峽兩岸多地聲學學術交流研討會議) held on 26-28 August 2015

By C.W. Law

第八屆海峽兩岸聲學學術交流研討會代表合影



2015.8.26~28
北京

Group photo

The 8th Cross Strait Many Places Acoustics Technical Conference had been held at Blues Manor, Beijing, PRC, on 26-28 August 2015, which was jointly organized by Shanghai Acoustical Society, Acoustical Society of China- Environmental Acoustics Branch, Shanghai Zhangkuisheng Acoustics Engineering Consultant Company Limited, Key Laboratory of Underwater Acoustic Warfare Technology of Shanghai 726 Institute, and co-organized by China Association of Environmental Protection Industry - Noise and Vibration Control Professional Committee and Beijing Greentec Group. The main theme of the Conference is to “emphasis on acoustic technology, promote innovation and development”. About 80 participants from mainland China, Taipei, Macau and Hong Kong had taken part in the event. Our KK lu, Kin Cheng, Andy Chung, William Fung, Olivier Delas, CW Law and other members had joined Conference.



The Opening Ceremony of the Conference

Meyer Poon Memorial Award for 2015

By Randolph Leung and Y. N. Au Yeung



Miss CHENG gave a presentation for undergraduate category

In 2015, altogether two entries and a single entry were nominated for the undergraduate and postgraduate categories of the Meyer Poon Memorial Award respectively. The two entries for undergraduate category was invited to give presentation for competing the Award. However, the competition for postgraduate category was not proceeded according to the rules of competition the minimum number of entries has to be two. The presentation was held at 7:00 pm on July 23, 2015 at Room EF305, The Hong Kong Polytechnic University. The Award panelists were Dr C. K. CHAU, Dr Kin CHENG, Chairlady Grace KWOK and Dr Clief TANG. The panel decided to give the Award to the following student.

Undergraduate category:

Winner: Miss CHENG Sheung Ting, Division of Speech and Hearing Sciences, Faculty of Education, The University of Hong Kong

We congratulated Miss CHENG for winning the Award this year and presented her the certificate. The cash award and the coupons for attending HKIOA seminars were then posted to her. Hereby we would like to thanked all the supervisors of the entries for encouraging their students to participate in this annual activity.

The Meyer Poon Memorial Award for the sub-degree category was also offered in 2015. This was the first time of offering this category to sub-degree students to recognize their achievement, both in academic and extra-curricular activities aspects. Totally 5 nominations were received and 4 attended the interview on 23 June 2015 at PolyU. The interview panel consisted of Dr Kin Cheng, Mr Wilson Ho and Dr Tracy Choi. The award was given during the HKIOA Christmas Party on 21 Dec 2015.

We congratulated the following student for winning this year's sub-degree category award and thanked all the institutions involved for nominating their students to participate in this annual activity.

Sub-degree category:

Winner: Ms LIU Yin Shan, HD in Building Services Engineering, IVE (Morrison Hill)



Ms Liu Yin Shan (right) and the price presented by our Grace Kwok

Technical Seminar on 4 August 2015 - Response of Complicated Piping System Containing Turbulent Fluids



Prof. C. W. S. To and our Dr Randolph Leung

The seminar “Response of Complicated Piping System Containing Turbulent Fluids” was jointly organized by the Hong Kong Institute of Acoustics and the Department of Mechanical Engineering of Hong Kong Polytechnic University on 4 August 2015.

Prof. C.W.S. To, professor of University of Nebraska, Department of Mechanical & Materials Engineering, had introduced by HKIOA to giving a presentation regarding the flow-induced vibration in complicated piping systems containing turbulent fluids. Prof. To developed a mathematical approach to study the temporal response of the turbulent fluids. The approach combines the use of the finite element method (FEM) and the simple, accurate, and efficient stochastic central difference (SCD) method.

Prof. To explained the approach by considering a cantilevered pipe containing a turbulent flow with base random excitation. Experimental and Monte Carlo simulation (MCS) results are compared with those obtained by the proposed approach. It is concluded that the approach is accurate, simple and efficient to employ. Owing to the fact that it applies the FEM it can be readily generalized to include systems having geometric and material nonlinearities.

By Mr. Wylog Wong

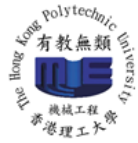
Certificate Courses on Architectural Acoustics Design, Noise Control, Road Traffic Noise Assessment and Measurement

By Clief Tang



Apart from technical seminars/visits, to foster continuous professional development, HKIOA, together with HKIE-MMNC & BEAM Society Limited, had organized Certificate Courses on Noise Control, Road Traffic Noise Measurement, Road Traffic Noise Assessment, 3D Noise Modeling, Architectural Acoustics Design & Railway Noise Measurement from 2 March to 13 May of 2015. These courses are aiming at provide to the local professionals with a structured frame starting from general sessions including the basic acoustics concept, noise ordinance, road traffic noise assessment and measurement. The courses also include some special sessions such as three dimensional (3D) noise assessment and modeling techniques, architectural acoustics design, railway noise measurement. 16 sessions of courses and 6 sessions of end-of-course assessments were held mainly at the IVE at Lai Chi Kok. Practical session of noise modelling and in-situ session on road traffic noise measurement would also be conducted. Overwhelming response had been received in these courses and totally 87 participants had got their certificates.

Ir Dr. Clief Tang from Hong Kong Accreditation Services, ITC, Ms. Grace Kwok from Allied Environmental Consultants Ltd., Mr. James Choi from ANEWR Consulting Ltd., Ir CK Lee, Mr. Joe Leung, Mr. Jimmy Wong, Mr. Benson Lee and Dr. CW Law from Environmental Protection Department, Mr. Tom Ho from S & V Samford Instruments Co. Ltd., Mr. Wilson Ho from Wilson Acoustic Ltd. were the speakers. All of them were experienced professionals in the acoustics industry. In short, participants considered that the certificate courses were very useful in the noise control, understanding of the relevant legislation and building acoustics. Technically, they considered they could better refresh themselves in road traffic noise modelling and measurement. The Institute will offer the courses on regular basis and those not admitted in this round will be given priority in the next round.



Prevention of Voice Disorders: Good Practices for Healthy and Effective Voice Use

The seminar by HKIOA and HKPolyU was held successfully on 27 November 2015 with approximately 40 participants.

Dr Estella Ma, Associate Professor of The University of Hong Kong, gave an informative presentation on the effects of noise on hearing and voice production from a speech therapist's perspective, methods for progressive relaxation, and how to reduce mechanical impacts on the vocal folds.

The seminar was very well received with good feedbacks from the participants. Some participants even received individual simple check up and advice from Dr Ma.



Dr. Estella Ma



Ms Mable Chan and Dr. Estella Ma



Dr. Tracy Choy, Ms Mable Chan, Dr. Estella Ma, Ms. Felice Wong and Ms Mandy To



By Mandy To

HKIOA X'MAX Party

By Mr. Horus Chan, Chairman of HKIOA PolyU Student Branch

This year, the Christmas Party was organized by HKIOA Committee and co-organized by HKIOA PolyU Student Branch. We celebrated this joyful Christmas and New Year atmosphere together in a sea-view bar, Club 147, with members and friends on 21st Dec, 2015.

The Party began by a warm welcome from the HKIOA Chairlady Grace, Meyer Poon Award Presentation, and a Christmas song presented by the PolyU Student Branch.

Meanwhile, unlimited wine and drinks, grilled meat and seafood were served. It was very nice to enjoy the food and beverage in a sea-view balcony. Besides, people enjoyed playing darts and pool with friends. The atmosphere got excited during the BINGO game and lucky draw.

The party ended with music full of happiness and love.

Thank you very much for all the supports from the sponsors, the HKIOA Executive Committees and members, to make this party successful.



Notification

The **HKIOA Annual General Meeting cum Dinner will be held at 7:00pm on 17 March 2016** at Royal Hong Kong Yacht Club, Kellett Island, Causeway Bay, Hong Kong. For detail, please visit website at www.hkioa.org