

### Sounding Board

September 2020 Issue



# 2020 ANNUAL GENERAL MEETING

This year's COVID-19 issue has turned our Annual General Meeting (AGM) into a ZOOM virtual meeting. On 11<sup>th</sup> June 2020, a virtual AGM was held to confirm the Proceedings of the AGM last year.

The Chairman, Dr. C.W. LAW, expressed his gratitude in serving in HKIOA and thanked the Executive Committee the effort they put in past year to facilitate professional developments among members in the time of COVID-19. It was fortunate that the scheduled events in the second half of 2019 was successfully completed although the rest of the events in the first half 2020 had been mostly postponed or cancelled. The AGM meeting went well and we have some 70 members, including those represented by proxies, participated in the AGM.





### 2020 ANNUAL GENERAL MEETING

The Chairman reviewed the activities in the past year and his report was accepted in the AGM. The finance of the Institute remained to be strong and the Financial and Audit Report was accepted in the meeting. A new Auditor with a more competitive offer was appointed. Elections were conducted, and the new Chairman and 5 Executive Committee Members of the Institute were duly elected.

We were excited to have Mr. William FUNG as the new Chairman. Mr. James CHOI Pui Sum, Mr. Alson PANG Yuen Fai, and Mr. TANG Wai Him were newly elected as Executive Committee Members. Dr. Clief TANG Chi Kong and Mr. Ken WONG Kin Chung were also re-elected as Executive Committee Members. Congratulations to all of them.



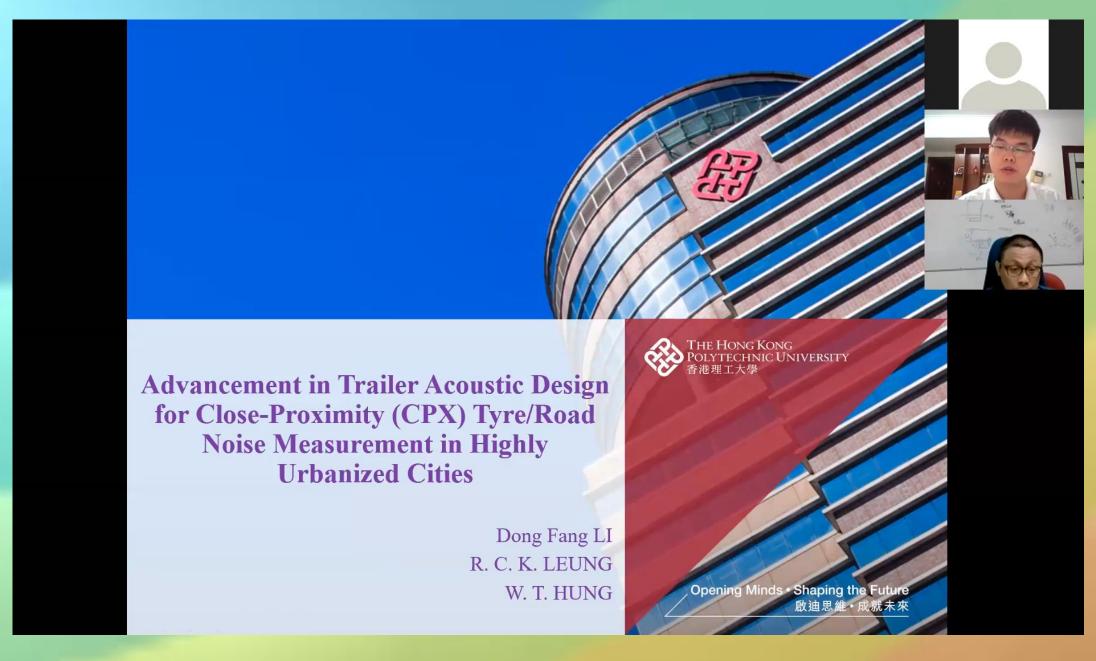


# HKIOA TECHNICAL SEMINAR ON ADVANCE IN TRAILER ACOUSTIC DESIGN FOR CLOSE-PROXIMITY (CPX) TYRE/ROAD NOISE MEASUREMENT IN HIGHLY URBANISED CITIES

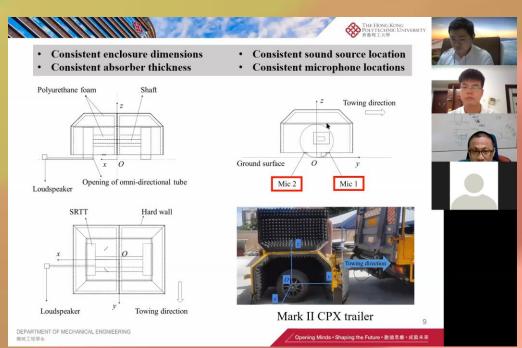
On 21st August 2020, a technical seminar on CPX tyre/road noise measurement was jointly organized by HKIOA and the Department of Mechanical Engineering of the Hong Kong Polytechnic University, and supported by the ASME (Hong Kong Section) and the HKIE-MMNC.

Mr. Dong Fang LI and Dr. Randolph Chi Kin LEUNG from the Department of Mechanical Engineering of The Hong Kong Polytechnic University, the leading academics of road tyre noise research in Hong Kong, were our speakers. They reported the project done by the advanced method utilizing three-dimensional finite element method simulation for the design in CPX (ISO/CD 11819-2)) trailer.

The event was well received and there were some 250 participants joined the event.







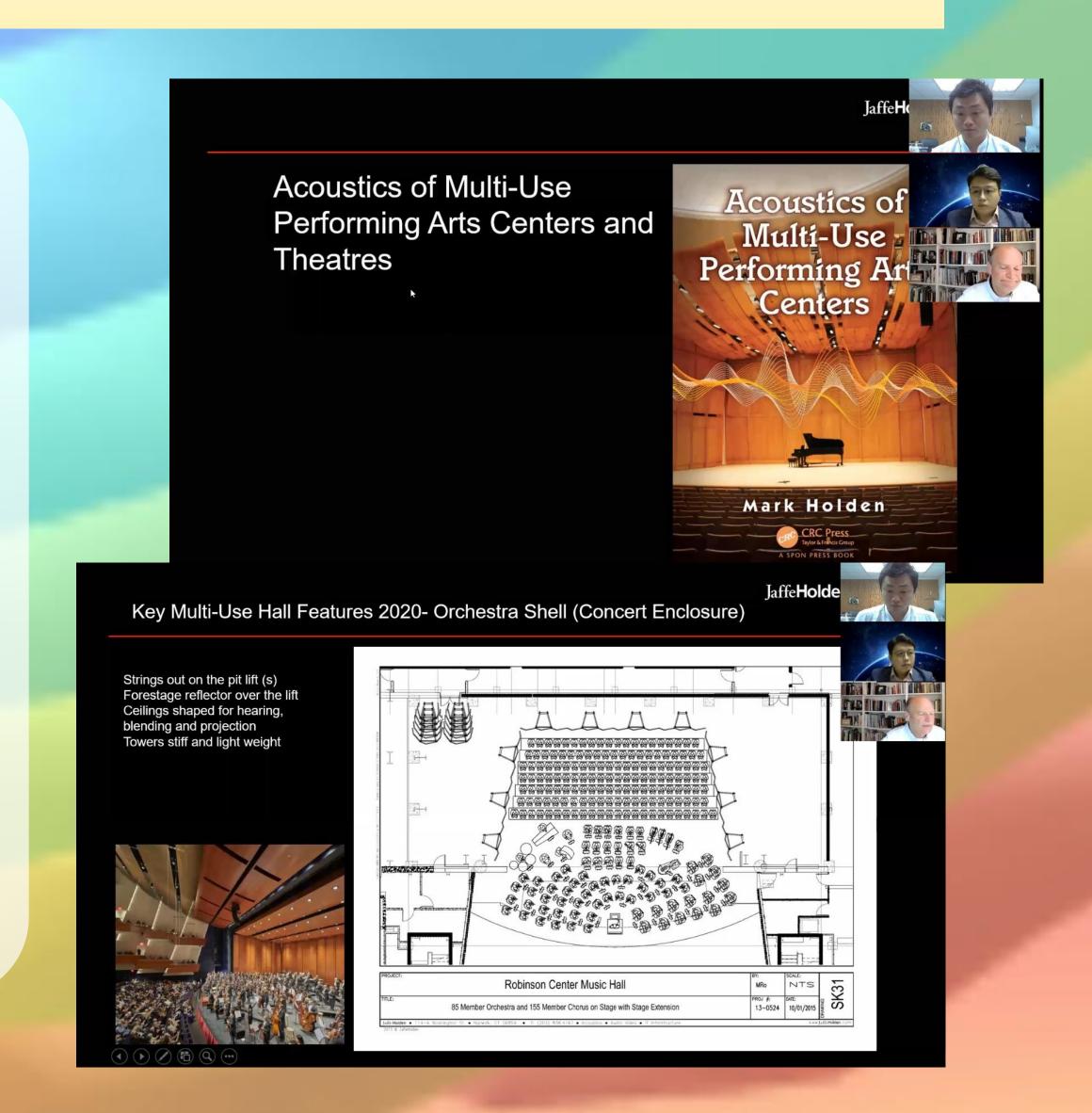


## TECHNICAL WEBINAR ON ACOUSTIC OF MULTI-USE PERFORMING ARTS CENTERS AND THEATRES

Keeping up the with the increasing trend for multi-use performance venue, HKIOA was proud to present our members with a technical seminar by the Chairman of Jaffee Holden, Mr. Mark HOLDEN, on 11<sup>th</sup> September 2020. With over 40 years of experience in Auditorium design, Mr. Holden introduced the basic acoustic approach for Theatres and Performance Space design. He shared many of his practical project experience in the design of multi-use performance venues.

The webinar benefited HKIOA members with the knowledge of the adjustable acoustic system applied in the multi-use performance spaces to different performance types without degradation in sound quality and participants.

The event was well received and over 100 HKIOA members participated in the seminar via ZOOM.





### TRAINING ON ESSENTIALS OF ENVIRONMENTAL NOISE

HKIOA launched a certificate training workshop in June and July 2020 providing the local practitioners with a structured training including the essential concepts of acoustics, road traffic noise, noise prediction model, control and management. The event was supported by HKIQEP, EMAHK, and Hong Kong Institute of Environmental Impact Assessment.

We are glad to have Mr. CL WONG, the Project Engineer (Noise) from Environmental Protection Department of HKSAR, and Dr. Calvin CHIU, the Senior Manager from Ramboll Hong Kong Ltd as our speakers. The training has covered the various aspects of essential knowledge of environmental noise.

We are delighted to have 47 participants joining the training workshop. The training workshop covered the essential knowledge of environmental noise and the noise syllabus of the HKIQEP Qualification Examination. The training would help the participants in the preparation of their examination.





### TRAINING ON ESSENTIALS OF ENVIRONMENTAL NOISE

HK\$1,280 (Non-Members), HK\$800 (Member of HKIOA / Supporting Organizations)

Like other cities, Hong Kong is facing serious noise problem. With a better understanding of environmental noise, building practitioners can know how to monitor, predict and mitigate. By joining this training, you will acquire the essential knowledge of environmental noise from fundamentals to applications

Session 1 (27 June 2020)

- Basic Acoustics Principle
- Fundamentals of Environmental Noise
- Noise Pollution Sources and Impacts
- Noise Monitoring & Measurement
- Session 2 (04 July 2020)
  - Noise Control & Ordinance
- **Environmental Noise Management** Noise Prediction Modeling
  - Calculation of Road Traffic Noise Methodology

- · A Certificate of Attendance will be awarded to participants after the training. This training is eligible for 8 CPD
- · The noise syllabus in Hong Kong Institute of Qualified Environmental Professionals (HKIQEP) has also been taken into account in the above topics.

· Cantonese supplemented with English training materials. Media of training dissemination by 'MS Teams'.

CL is a mechanical engineer by education. He had managed numerous projects for 9 years in the building services industry before he joined the EPD as a noise stream officer in 1989. His career in the EPD over the past decades covered a wide range of duties and responsibilities involving noise planning, noise legislation, laboratory management, noise modeling, noise management, formulation of enforcement guidelines and district pollution control. He has authored and co-authored over 30 technical papers on different aspects of environmental noise for various international noise conferences. While CL has retired from the civil service, he is now re-employed by the EPD and is managing a first-ever consultancy study on the control of

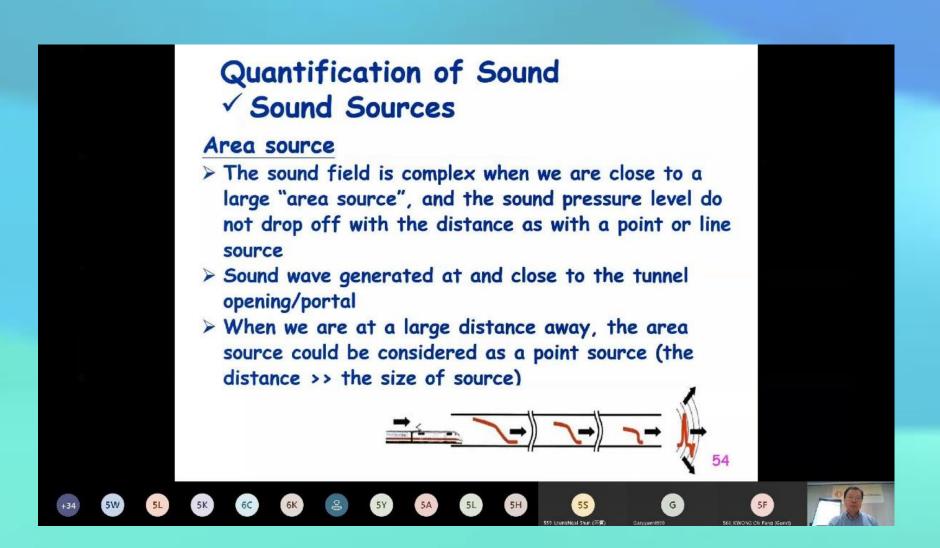
Calvin has over 20 years of experience in environmental management and impact assessment, specializing in environmental noise and acoustics and hazard assessment. He has been called upon as an expert for tribunal cases regarding environmental noise impact and district town planning studies. In addition, he is actively involved in the development and implementation of innovative noise mitigation measures in recent years. He is also a green building professional responsible for green building

Please fill in the form via https://forms.gle/zN9whrEeni56297W7. Please settle the fee by deposit to HSBC Bank in favor of Hong Kong Institute of Acoustics Limited - Account No. 004 400-374401-838 and send a copy of receipt with clearly state your name

- Successful applicants will be notified no later than 3 working days before the commencement of the training; Unsuccessful applicants will be given refund of training fees if they have already paid;
- An official e-receipt will be distributed through email to the participant upon the completion of the training; received will be refunded. All decisions made by HKIOA on matters related to the training are final;
- Personal data including contact information will be used by HKIOA for its communications and direct marketing purpose, including newsletters and promotions of events, trainings and other activities. If you do not wish to receive any further promotional materials from HKIOA, please send
- Information provided will be kept strictly confidential and will not be sold, reused, rented, loaned, or otherwise disclosed to third party



## TRAINING ON ESSENTIAL OF ENVIRONMENTAL NOISE 2020



The training was first held in 2019. The training in Year 2020 was held on 27<sup>th</sup> June and 4<sup>th</sup> July in the form of a webinar. Despite the COVID-19 pandemic situation in Hong Kong, we have received overwhelming response from 47 participants.

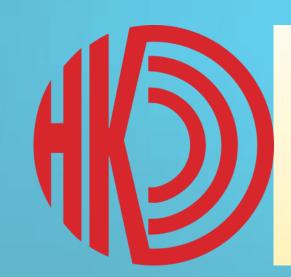


Mr. CL WONG, Project Officer of EPD, and Dr. Calvin CHIU, Senior Manager of Ramboll HK Ltd. were the speakers and shared they shared their knowledge and experience covering basic acoustics principle, fundamentals of environmental noise, noise pollution source & impact, noise monitoring and measurement, Noise Control Ordinance, environmental noise management, noise prediction modelling and calculation of road traffic noise methodology.

The webinar allowed participants to interact with speakers in leaving questions regarding training and discussions on related queries.



By Calvin Chiu and C.L.Wong



# WEBINAR: A STUDY ON CONSTRUCTION NOISE CONTROL AND HONG KONG - FEASIBILITY STUDY

HKIOA was delighted to have EPD and their consultants present their findings in this webinar 23<sup>rd</sup> July 2020, which included the outcome of a public survey for more than 5000 households in Hong Kong and a review of construction noise control practices in 12 metropolitan cities. The speakers also shared with the audience eight types of quiet construction technologies. The participants were interested in the findings, and the session concluded with a lively discussion. We are glad to have Mr. Richard KWAN, Mr. Morgan CHENG & Mr. Dragon TSUI from Wilson Acoustics Limited, and Mr. Samson CHENG and Mr. CL WONG from the EPD as our speakers.

The event was well received with 258 participants joined the webinar, including over 60 members from HKIOA.



This is a briefing to the construction industry on the Study findings, and is conducted by the Study consultant on behalf of the Environmental Protection Department (EPD).



### SEMINAR ON INNOVATIVE NOISE MITIGATION DESIGNS - ACOUSTIC WINDOWS & 4D VIRTUAL REALITY (VR) TECHNOLOGIES

Concerning the impact of traffic noise affecting the general public, HKIOA had co-organised a seminar on 13th August 2020 with HKIQEP for our members to comprehend the innovative solutions to the addressed problem.

Because of the COVID-19, the seminar conducted via ZOOM. We are happy to be the Supporting Organizations of the event and members joined the seminar that could facilitate their experience of noise reduction effectiveness acoustic windows with a 4D VR demonstration with incredible visual and audio effects.

The event was well received and there was a total of around 140 participants in the seminar.



13 AUG 2020 (THURSDAY) 6:00 PM - 7:00 PM THE WEBINAR WILL BE CONDUCTED VIA ZOOM ...........

Accommodating 7 million population in 1,100 km2 area, Hong Kong is a truly densely populated city where keeping traffic noise at bay is a challenge in planning new housing development. Due to high demands of housing development and lack of suitable sites, more and more sites housing blocks are put next to heavily trafficked road. As results, traditional noise mitigation measures, e.g. building setback, noise barrier, internal layout design, etc. are found insufficient in meeting L10(1hr) 70 dB(A) the criteria in Hong Kong Planning Standards and Guidelines.

Environmental Protection Department is well aware of the need of innovative means to mitigate road traffic noise impacts. Through collaborations with research institutions as well as project proponents, Acoustic Windows (AW), have been developed and applied in public and private residential development in the past few years. The AW were demonstrated effective in reducing the noise transmitted from outdoor to indoor environment while maintaining natural ventilation inside the premises - capable of reducing 6-8 dB(A). Adoption of the INMD is enabling maintaining of quiet living environment for residents and reducing operation of air-conditioning for sustainable living. This seminar will walk you through its innovative journey and share with you the experience of its applications in

To facilitate better understanding among participants, 4D VR demonstration of "Acoustic Windows" will be conducted to show participants to have visual and audio experience of noise reduction effectiveness of AW

### **Programme**

6:00 pm – 6:50 pm Seminar on Innovative Noise Mitigation Design -

Acoustic Windows and 4D Virtual Reality (VR) Technologies by Mr Hung Wan Choi Tim, Senior Environmental Protection Officer and Ms Cheung Ka Man Carmen, Assistant Environmental Protection Officer, **Environmental Protection Department of HKSAR Government** 

6:50 pm - 7:00 pm Interactive Q&A Session

Deadline: 10 August 2020 (Monday) or Full Capacity Website: https://form.jotform.com/HKIQEP/InnovativeNoiseMitigationDesign

Fee: Free of Charge CPD: 1 CPD hour Language: English **Enquiry**: activities@hkiqep.org











Supported by Institutional Partners of HKIQEP



# CONGRATULATIONS TO PROF. LI CHENG AS VICE PRESIDENT OF I-INCE

In the 49th International Congress on Noise Control Engineering (INTER-NOISE 2020) held on 23<sup>rd</sup> to 26<sup>th</sup> August 2020, Prof. Li CHENG, Chair Professor of Mechanical Engineering, was appointed by the I-INCE board as the Vice-president (VP) Asia Pacific, for a three-year term till 2023. The I-INCE (International Institute of Noise Control Engineering) was founded in 1974. It is a worldwide consortium of organizations concerned with noise control, acoustics and vibration, with more than 50 member societies representing over 40 countries, in which HKIOA is among the member societies. As the VP, Prof. Cheng will responsible for overseeing and coordinating I-INCE activities in Asia Pacific region. Prior to this new appointment, he served as a Director in the I-INCE board for three years.

The congress three years ago, INTER-NOISE 2017, was held in Hong Kong, as co-organized by HKIOA and the Hong Kong Polytechnic University.



Source: https://www.polyu.edu.hk/me/me-professor-appointed-as-vp-of-i-ince/



## WEBINAR ON CELEBRATION OF BIM ACHIEVEMENT 2020 AND HIGHLIGHT OF CIC'S BIM JOURNEY

HKIOA has been actively supporting our industry partners by promoting events relevant to acoustics. In August 2020, the Construction Industry Council organized a briefing webinar on Celebration of BIM Achievement 2020 and Highlight of CIC's BIM Journey.

The webinar gave HKIOA members a highlight of CIC's BIM Journey by updating the audience what they have been doing as a BIM solution hub and providing support in five key areas, including adoption and promotion, training, standards, and guidelines, certification and accreditation, and R&D and funding support.





# REFRESHER COURSE: ENVIRONMENTAL SCIENCE, MANAGEMENT AND POLICY

HKIOA supports professional training and development and is glad to be the Supporting Organization of the Refresher Course: Environmental Science, Management, and Policy organized by EMAHK in July and August 2020. 2 CPD hours are awarded for each session, and certificates are be granted upon completion of the course.

The 8-session course covered subjects, like Corporate Environmental Reporting, Design for Environment, Environmental Impact, Environmental Management Systems, Environmental Public Policy, Fundamentals of Environmental Science, Global and Multi-media Environmental Issues, etc. The course design was labelled under the ESMP Chapter of the Hong Kong Institute of Qualified Environmental Professionals (HKIQEP) syllabus. Speakers included Dr. Janet CHAN, Ir. CHOI Chung Ming, Mr. Freeman CHEUNG, Dr. Maria FRANSCESCH-HUIDOBRO, Ms. Sarah MAK, Mr. Wilson TSUI and Ms. Bonnie YIP.



Details and registration: https://qrco.de/EMAHK2020course



### HKIQEP QUALIFICATION PROCESS 2020-21

Believing in the professional development, networking opportunities, and building a better resume, particularly for junior professionals, HKIOA has been being enthusiastic about promoting HKIQEP Professional Membership Qualification Process 2020-21 (Part I) in June 2020, intending to raise the standard of the environmental profession in Hong Kong.

The HKIQEP Executive Committee considers candidates who have passed both Professional Assessment (Part I and Part II) as Professional Members. In order to be qualified for the professional membership of HKIQEP, each of the candidates has to be a recognised member of an Institutional Partner of HKIQEP (such as HKIOA), meet the requirements on academic qualifications and working experience set by HKIQEP, find 3 supporters (Professional Members, Founding Fellows, or Fellows of HKIQEP who personally know the him/her), and pass the qualification process set by HKIQEP.

