



# Sounding Board

*May 2024 Issue*

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# HKIOA's 30th Anniversary in 2023

Reported by Cindy Cheung

A series of activities had been organised by HKIOA in 2023 to remark its 30<sup>th</sup> Anniversary.

HKIOA organised for the first time the Acoustics Awards to recognise good acoustic projects and products in Hong Kong, encourage innovative acoustic designs and promote HKIOA, members and the acoustic industry to the public. The event was a great success and it was concluded with the presentation ceremony during HKIOA's 30<sup>th</sup> Anniversary Gala Dinner on 28 November.

Mar – Nov 2023	HKIOA Acoustics Awards 2023
13 Mar 2023	Technical Seminar on Immersive Sound and Audio Technology at Kwai Tsing Blackbox Theatre
14 Mar 2023	Technical Webinar on Studio Acoustics, New Developments in Predictive Software
May & Jun 2023	Elective Modules of Professional Certificate on Acoustics, Noise and Vibration Control
31 May 2023	Annual General Meeting 2023
26 Aug 2023	Technical Visit to South China University of Technology State Key Laboratory
7 Sep 2023	Technical Seminar on Acoustic Box-in-Box Design and Systems Construction
15 Sep 2023	Technical Visit to Macau
14 Oct 2023	Technical Visit to Jiangmen Acoustic Laboratory
17 Oct 2023	Technical Webinar on Application of Software Technique in Building Acoustic Simulation
26 – 27 Nov 2023	The 13th Cross-Strait Acoustical Conference 第十三屆海峽兩岸聲學學術交流研討會議
28 Nov 2023	The 30th Anniversary Gala Dinner and Acoustics Awards 2023 Presentation Ceremony
19 Dec 2023	Festive HKIEIA x HKIOA Christmas Party 2023



HKIOA organised 3 cross-boundary technical visits, which include the Technical Visit to South China University of Technology State Key Laboratory in August, the Technical Visit to Macau for the Light Rapid Transit and the Galaxy International Convention Centre in September, and the Technical Visit to Jiangmen Acoustic Laboratory in October. These technical visits and the sharing of knowledge have broadened our view and enriched our summer.

A 30<sup>th</sup> Anniversary Special Edition of the Sounding Board was published in November 2023 to capture some of our joyful moments with, and inspirations brought by the Institute throughout these 30 years. For more details about HKIOA and its 30<sup>th</sup> Anniversary, please refer to this Special Edition, of which an e-copy is available via the following link:

[https://www.hkioa.org/download/SoundingBoard/Sounding%20Board%20SE%202023%20HKIOA\\_30thAnniversaryPublication.pdf](https://www.hkioa.org/download/SoundingBoard/Sounding%20Board%20SE%202023%20HKIOA_30thAnniversaryPublication.pdf)

Thank you for your continuous support to the Institute!



# The 13th Cross-Strait Acoustics Conference

## 第十三屆海峽兩岸聲學學術交流研討會議

Reported by Jeffrey Tam

On the 26th and 27th of November, 2023, the Hong Kong Institute of Acoustics, the Department of Mechanical Engineering of the Hong Kong Polytechnic University, the Shanghai Acoustical Society, the Acoustical Society of Shaanxi Province, and the Macau Instituto de Acústica jointly organised the 13th Cross Strait Acoustics Conference. The event brought together over 50 acoustical experts and professionals from China, Taiwan, Hong Kong, and Macau, creating a diverse and vibrant knowledge exchange and collaboration atmosphere.



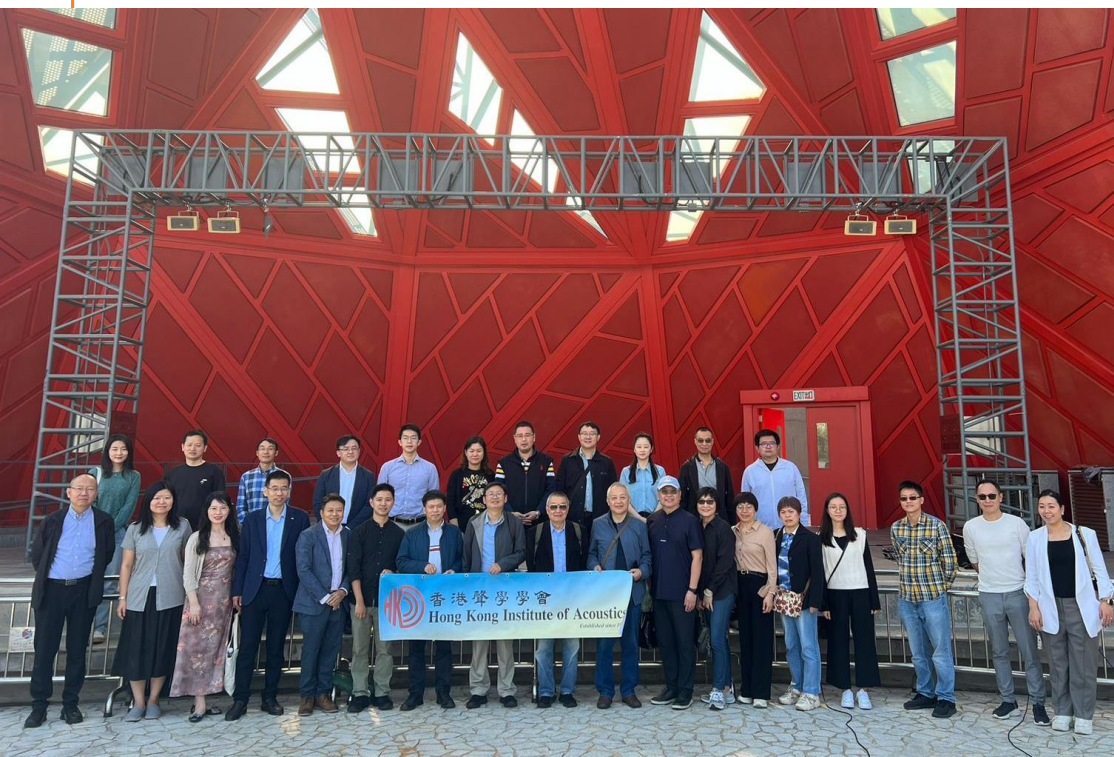
The conference featured three keynote speakers, including Director Li Xiaodong from the Acoustical Society of China, Dr Leung Chi Kin from Hong Kong Polytechnic University, and Professor Rong Jun Shyu from the Taiwan Acoustical Association, who shared their expertise and insights on various aspects of acoustics. These speakers provided valuable perspectives on acoustics research and the latest advancements and challenges of applications.

Alongside the keynote sessions, the conference hosted over 20 presentations from 16 different institutions, covering various topics such as architectural acoustics, environmental noise, aerodynamic noise, and sound engineering. The diverse presentations allowed participants to explore multiple sub-disciplines within acoustics and comprehensively understand the field's current research trends.

The conference lasted two days, giving participants enough time to engage in discussions, network with professionals, and establish future

collaborations. Along with indoor sessions, the event also included a site visit to the Eastern District Cultural Square, where the project designer demonstrated an innovative approach to actively control the sound level of the sound system to protect the neighbourhood from performing activities. The site visit allowed the participants to experience real-world acoustics applications in a practical setting.

Overall the 13th Cross Strait Acoustics Conference successfully brought together a diverse group of professionals and researchers, fostering a collaborative environment for exchanging ideas and knowledge. The event served as a platform for participants to stay updated on the latest developments in acoustics, build connections, and contribute to advancing the field.



# Celebrating Excellence: Recap of the HKIOA 30th Gala Dinner and Acoustics Awards 2023



Reported by Henry Chan

We are delighted to share the tremendous success of the HKIOA 30th Gala Dinner cum Acoustics Awards 2023 Ceremony, which took place on 28 November 2023, at the Mira Hotel. This remarkable event brought together over 300 esteemed individuals from the industry, including our valued members, executive committee members, past chairpersons, and distinguished guests from Taiwan, China, Europe, and other regions.

The highlight of the evening was the presentation of the HKIOA Acoustics Awards. We had the privilege of honoring 25 exceptional projects and products that have made significant contributions to the field of acoustics. These awards served as a testament to the dedication and innovation demonstrated by the deserving recipients.

We were honored to welcome Dr. CHUI Ho Kwong, Samuel, JP, Director of Environment Protection, as our esteemed VIP guest for the evening. Dr. CHUI's presence added immense value to the event. This event marked a significant milestone for our association, and we are proud to have celebrated excellence in the field of acoustics together.



Let us cherish the memories created and continue to strive for even greater achievements in the future.





## Award Winners of Product / Material Invention Category







## Award Winners of Environmental Noise Category





## Award Winners of Architectural Acoustics Category





## Award Winners of Other Excellence Category





Award Winners of IT Application Category



Jury and Organizing Committee



Sponsors





For more photos of the Gala Dinner, please refer to pages at the end of this Sounding Board ...

# Festive HKIEIA x HKIOA Christmas Party 2023

Reported by Gary Yuen

We had an absolutely amazing time commemorating the 2023 Christmas together with our members and colleagues. A Christmas party has been held together with Hong Kong Institute of Environmental Impact Assessment (HKIEIA) on 19 December. The festive ambiance was in full force as our members united for an unforgettable evening brimming with delight and laughter.



Every aspect of the event, from the enchanting decorations to the delectable cuisine and thrilling games, contributed to making it an extraordinary night. We extend our heartfelt appreciation to our esteemed partner HKIEIA, and our exceptional organizing committee for orchestrating such a remarkable gathering!



We would also like to express our gratitude to all those who attended and added to the festive merriment, and whose presence elevated the celebration to new heights.



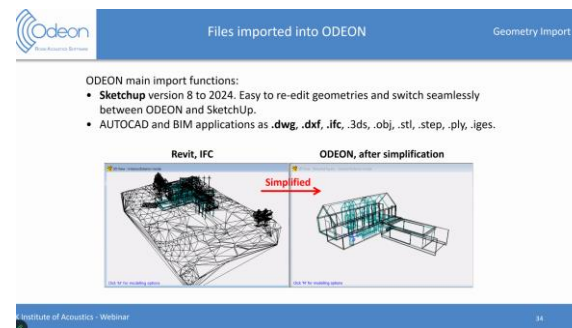
# Technical Webinar on Room Acoustic Simulation and Sound Auralisation Technology

Reported by Him Tang

The Technical Webinar on Room Acoustic Simulation and Sound Auralisation Technology was held on 13 March 2024 through ZOOM platform. The Webinar was supported by Australian Institute of Building HK Chapter. There was a total 109 participants attended the Webinar.

Mr. Koutsouris from Odeon started by going through the basis of parameters and criteria of ISO 3382. He then showed the application of the Odeon software in calculating the sound levels in the various room acoustic conditions, from open plan office to a more sophisticated auditorium in a 3D model.

He also demonstrated the use of the software for sound auralisation with audio output. The webinar was well received by the participants.



**香港聲學學會**  
Hong Kong Institute of Acoustics

**Technical Webinar**  
Room Acoustic Simulation and Sound Auralisations Technology

**Introduction**  
ODEON is developed and distributed by Odeon A/S in Denmark since 1984. It is used worldwide for prediction and measurement of room acoustics and PA-systems in a variety of venues: Performance halls, worship spaces, offices, restaurants, railway stations, airport terminals, industrial environments, small-scale outdoor areas and many more. Complicated geometries can be imported directly from IFC projects, CAD systems, SketchUp etc., while an extensive database of materials allows the user to simulate any configuration and even construct custom materials. The Webinar will present the following:

- Discuss ISO 3382 acoustic parameters.
- The use of sound colour maps, with custom scales and contour options to present results.
- Application of Binaural or surround sound auralisations for simple to complex soundscape scenarios.

**Speaker:**  
**Mr. George Koutsouris**  
Mr. Koutsouris has been working for Odeon A/S since 2012. In these years he has developed code for ODEON's Measuring System, the Genetic Material Optimizer and the Audio Effects. He has contributed to documentation, publications for conferences and journals, as well as graphic and web design. He has also extensive experience in lectures and webinars. Since 2015 he has had a principal role in building and supporting Odeon Omni, a portable loudspeaker device for room acoustic measurements. George has also been working as an artist since 2014, often combining art with sound. He holds an MSc in Acoustics, an MSc in Mechanical Engineering, as well as an MFA from the Danish Academy of Arts.

**Webinar Detail**  
Date: March 13, 2024, (7:00 - 8:15pm, HK Time)  
Medium: English  
CPD: 1 Hr  
Platform: Zoom  
Fee: Free of Charge  
Target Audience: Open to all interested parties, including non-HKIOA Members

Enquiry: [admin@hkioa.org](mailto:admin@hkioa.org)  
Please register online via: <https://form.jetform.com/240563195536460>

Supporting Organization:  
**AIB** AUSTRALIAN INSTITUTE OF BUILDING ADVANCE THROUGH LEARNING

ISO 3382 - Part 3: Open plan offices

ISO 3382 Parameters

Common parameters:

- $r_0$  in m: Distraction distance from source (within which  $STI \approx 0.5$ ).
- $r_1$  in m: Comfort distance from source (within which  $L_p, A > 45$  dB).
- $L_{w,44}$  in dB: A-weighted speech at 4 m, 125-8k Hz.
- $D_{0.5}$  in dB: Spatial decay rate of A-weighted SPL of speech, 125-8k Hz.



# Social Gathering on 28 March 2024

Reported by Claudine Lee

It was an amazing and fruitful evening with the joining of many leaders and young members from different backgrounds (including consulting firm, major transport system, supplier and university) in the industry. We have shared our experience and thoughts on various topics such as facial treatments, gender equity, ESG and technologies. It was a very joyful and insightful sharing. I bet we seldom had such an open sharing before!

We have also received many suggestions regarding social activities, possible collaborations with other organizations and the future development of HKIOA. We will bring these constructive ideas and suggestions to next term's Executive Committee. Stay tuned for our upcoming activities!



# Reminder for AGM 2024



This year's Annual General Meeting (AGM) has been scheduled at 7pm, 23 May 2024 (Thu) at 3/F, Regal Kowloon Hotel (71 Mody Road, Tsim Sha Tsui). As usual, the AGM will be followed by a dinner.

If you are joining the AGM and/or the dinner, please be reminded to register on or before 17 May.

Hope to see you there!

AGM Notice:

[https://www.hkioa.org/activities\\_detail.php?id=359](https://www.hkioa.org/activities_detail.php?id=359)

Registration Link:

<https://form.jotform.com/241092451265452>

More Photos of the HKIOA 30<sup>th</sup> Anniversary Gala Dinner:

















