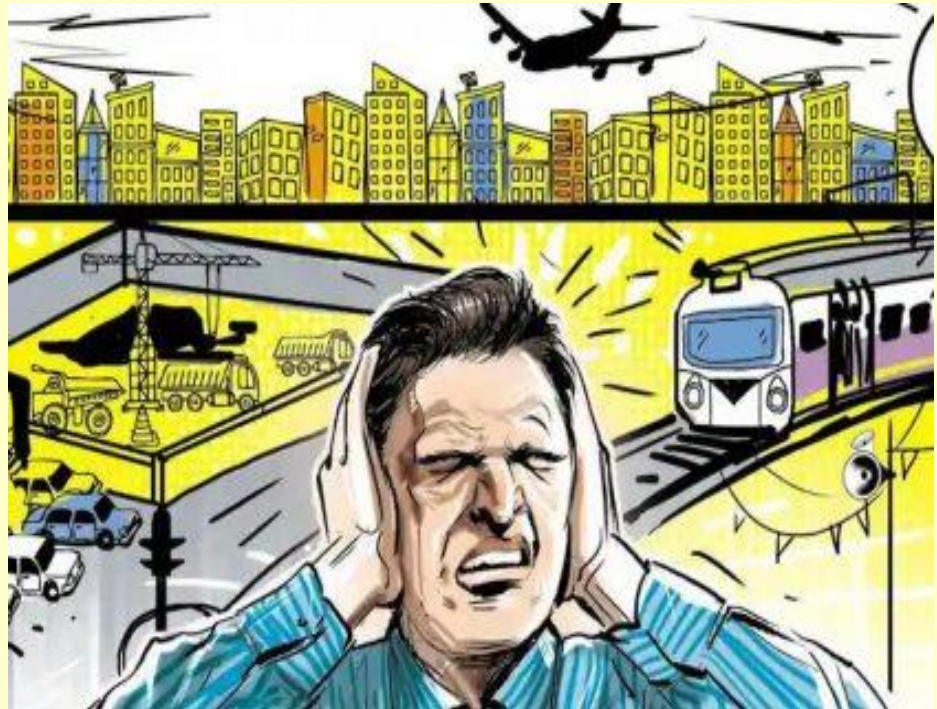


**Date: 17<sup>th</sup> December 2022  
(Saturday)**

**Time: 11.00am to 1.00pm**

**Venue: ZOOM Virtual  
Platform**



## **Webinar Talk on “Understanding Environmental Noise and Vibration Guidelines in Malaysia”**

Organised By:

Mechanical Engineering Technical Division, IEM

Registration fee:

**IEM Members: RM15.00 | Non-Members: RM70.00 | Free for IEM Student Members**

**BEM Approved CPD/PDP Hours: 2 | Ref No: IEM22/HQ/466/T (w)**

### **Speaker:**

Dr. Hui Kar Hoo has more than ten years of experience in acoustics and vibration engineering consultancy. He has strong technical skills in architectural acoustics, environmental noise and vibration mitigation, machinery noise and vibration troubleshooting. Over the years, his consultancy experience has covered a broad spectrum of the industry, including arts and culture, aviation, broadcast and media, convention and exhibition centres, commercial, education, environmental noise and vibration, healthcare, hospitality, mixed-use developments, rail and infrastructure, residential, data centres, and industrial. He has worked on many iconic projects in Malaysia and Southeast Asia, including TRX Lifestyle Quarter, Pavilion Damansara Heights, Bukit Bintang City Centre, Genting Indoor and Outdoor Theme Park, Genting SkyAvenue Shopping Mall, Tenaga Nasional Berhad Headquarters Platinum, Taseco Landmark 55 in Hanoi, and the first Hilton Hotel in Cambodia. His experience is enhanced with a Doctoral Degree (PhD) in Vibration Engineering. At the same time, his professional competency is recognised by the Department of Environment Malaysia (DOE) as a Qualified Noise and Vibration Specialist, the Engineering Council UK as a Chartered Engineer (CEng), and the Malaysia Board of Technologists as a Professional Technologist (PTech) in Building and Construction Technology. Dr. Hui is frequently invited as a speaker for webinars organised by local and international professional associations, including IEM's Engineer Power Talk and IET's Technical Webinar, to share his insights on acoustic design.

Ir. Dr. Aidil Chee Tahir  
Chairman, Mechanical Engineering Technical Division, IEM

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### **Speaker:**

**Dr. Hui Kar Hoo**



### **Synopsis**

Excessive exposure to noise negatively impacts health and well-being. Environmental noise assessment and mitigation are not only limited to infrastructure projects (e.g., highway, rail, etc.). However, it also covers noise emission from outdoor mechanical equipment installed at property developments (e.g., mixed-use, commercial), industrial buildings (e.g., palm oil mills, factories), and data centers. On the other hand, vibration reduces human comfort and potentially impacts building structure integrity. Aside from the unpleasant movement, it may cause ground-borne and structure-borne noise to be radiated from the building elements to occupants in the building. This session aims to provide practitioners in environmental management and building acoustics design with an introduction to environmental noise and vibration assessment and mitigation so they can better understand and implement the Department of Environment's Guidelines for Environmental Noise and Vibration.

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