

Seminar on Innovative Noise Mitigation Design - Acoustic Windows and 4D Virtual Reality (VR) Technologies

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 planning cases.

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

Registration

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

