

Technical Seminar on **Tyre/road Noise Measurement with Close-Proximity (CPX) Method in Hong Kong**

Speaker

Dr. Hung Wing-Tat

Dr. HUNG is currently an associate professor in the Department of Civil and Environmental Engineering of the Hong Kong Polytechnic University. With over 25 years of teaching and research experience, Dr. Hung designed and constructed the PolyU CPX trailers to measure tyre/road noise, funded by the Environmental and Conservation Fund, and gained valuable experience in the design and testing of the trailers. He has over 20 years of research experience in road pavement engineering and transport planning as well as over 16 years research experience on road traffic noise. In the last ten years, he led the research team to satisfactory completion of a number of consultancy studies on tyre/road noise for EPD and one consultancy project on tyre/road noise contrasting road side traffic noise for HyD. He has published over 20 journal and conference papers on this topic.



Programme Highlights

The Close-Proximity (CPX) Method of measuring tyre/road noise as specified in the ISO/ FDIS 11819-2 enables delineation of the contribution of tyre/road noise to traffic noise. Thus, it is possible to quantify the effects of road pavement type and conditions to road noise. Two CPX assemblies (an acoustic enclosure towed by a vehicle) funded by the Environmental Conservation and Wheelock Green Fund (ECF) have been developed and fabricated by the Road Research Laboratory of the Hong Kong Polytechnic University since 2009. The tyre/road noise of a few hundreds of road pavement sections were measured. Dr. HUNG Wing-tat, the project leader will present the observations and findings obtained from these measurements. Strategy to reduce tyre/road noise will be discussed.

Date: 9, November 2016 (Wednesday)
Time: 7:00 pm – 8:30 pm
Venue: Y301, Core Y (Lee Shau Kee Building), The Hong Kong Polytechnic University, Hung Hom, Kowloon, HK
Fee: Free of charge

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