



HKIE-MMNC

Hong Kong Institute of Acoustics - Vibration Seminar 6:

# Controlling Ground Vibration Using Slab Track Fasteners on Singapore MRT

(Jointly organized by CHKPWS and HKIOA, supported by HKIE MI and MMNC)

Speaker: Steve Barlow, Pandrol Australia Ltd.  
Venue: L2 Auditorium, MTR Headquarters Building, Kowloon Bay  
Time: 6:30-7:30pm, Wed, 3 Nov 2010 (Reception starts at 6:15pm)

In September 2009, a track trial took place on the newly built Circle Line in Singapore. It involved replacing the existing Double Fast Clip (DFC) slab track fastener with a modified low stiffness VANGUARD system. The objective of the trial was to demonstrate control of ground vibration in the critical frequency range between 25 and 200Hz. In the seminar, description of the existing and modified track fasteners will be presented showing how they are interchangeable. Track deflection and vibration measurements will be shown and discussed in detail.

**Steve Barlow** is Track Support Engineer at Pandrol Australia Ltd. Steve is a Materials Engineer specialized on rubber type anti-vibration systems on rail trackform. He provides technical back-up of low stiffness rail supports and advises about specialist track systems for urban rail transits in SE Asia.

## Registration

The Seminar is free of charge to members of CHKPWS, HKIOA, HKIE and MTR staff. Non-members are welcome but will be charged at HK\$100 per head to cover administrative costs. For registration, please fill in and submit the form at <http://wal.hk/hkioa/vibration6.html>.

Registrations will be served in **first-come-first-served basis**. Enquiries please send to: [who@wal.hk](mailto:who@wal.hk). The maximum capacity of the venue is around 75 seats.

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Chairman, Vibration Sub-committee of HKIOA