



香港聲學學會

Hong Kong Institute of Acoustics

New ISO standard for Groundborne Noise and Vibration from Rail Systems and Fiber Optics condition monitoring system

Dr Ather Sharif

Civil Engineering Dynamics, U.K.

Venue: FJ 301, Hong Kong Polytechnic University

Time: 6:30-8:00 pm, Friday, 20th October 2006

Dr Ather Sharif is the convenor of ISO TC108/SC2/WG8 Draft Committee for "Groundborne Noise and Vibration from Rail Systems" and serves on WG3 "Vibration of Structures" and WG16 "Vibration and Shock in Buildings with Sensitive Equipment". He will deliver a review of current and future ISO standards development work, relating to ground borne noise and vibration from railways, from the work of ISO TC108/SC2/WG8. He will raise some of the areas of debate where consensus is hard to reach. He will also deliver a state of the art review of distributed Fiber Optic sensors, and Micro Electro Mechanical System (MEMS) devices for condition monitoring and asset management, in situations ranging from offshore structures to rail systems.

Ather Sharif graduated with a first class honours degree in Civil Engineering, research at Imperial College for a PhD in Structural Dynamics and later a junior Academic posting at Oxford University. He has spent the majority of his career in industry, as a Chartered Engineer, specialising on dynamics in a diverse range of projects spanning the nuclear industry, to power generation, pipelines, industrial, medical and microelectronic facilities, to assessing and mitigating the environmental impact of road and rail. A few notable projects include underwater shock trials for the Royal Navy, Nuclear containment flask impact tests, Dynamics of Tower Bridge to precision structural monitoring at Palace of Westminster.

Registration and Enquiries:

The Seminar is free of charge to HKIOA members but non-members will be charged at HK\$100 per head to cover administrative costs. For registration, please send a blank e-mail to: reg4@wal.hk. A confirmation of the registration will be returned within 3 working days. Enquiries please send to the undersigned by who@wal.hk.

A handwritten signature in black ink, appearing to read 'Wilson Ho'.

Wilson Ho

Chairman of Activities Sub-committee, HKIOA

4 October 2006