



FEI HAU

SENIOR ACOUSTIC CONSULTANT

AREAS OF EXPERTISE

- Building Acoustic Design
- Environmental Noise Assessment & Control
- Railway Noise and Vibration Control

QUALIFICATIONS

- Bachelor of Science in Physics
- Master of Philosophy in Applied Physics

AFFILIATIONS

- Member, Hong Kong Institute of Acoustics (MHKIOA)
- Associate Fellow of the China Hong Kong Railway Institution (AFCHKRI)

EMPLOYMENT HISTORY

13 years' experience in Railway Noise & Vibration Control, Architectural Acoustics and Noise Monitoring.

- 2000 Research Assistant, Hong Kong Polytechnic University
- 2003 – 2004 Assistant Consultant, Wilson, Ihrig & Associates (HK) Limited
- 2004 – 2007 Associate Consultant, Wilson, Crockett & Associates, Limited (Formerly Wilson, Ihrig & Associates (HK) Ltd)
- 2008 – Present Senior Acoustic Consultant, Wilkinson Murray (HK) Limited

PROFILE

Fei Hau is an acoustic consultant with a broad range of experience.

She has had extensive experience in regard to the control of rail noise and vibration and has provided acoustic design services for new building development. Her strong technical skill allows her to apply advanced acoustical technique to the projects to which she is involved.

RAILWAY NOISE & VIBRATION STUDIES

- Circle Line Depot – Groundborne Noise and Vibration Study, Singapore
- Xintian Real Estate development – Vibration and Groundborne Noise Study from Railway, Shanghai
- Cadre City Plaza - Vibration and Groundborne Noise Study, Guangzhou
- MTRC SCL EWL, airborne noise assessment, Hong Kong
- Sg Buloh Serdang Putrajaya Line (SSP), Groundborne Noise and Vibration Study, Kuala Lumpur, Malaysia
- Taoyuan Airport Access Rapid Transit System Extension to Zhongli TRA Station, Groundborne Noise and Vibration Study, Taiwan
- Taichung MRT – Noise and Vibration Predictions, Taiwan
- Thomson Line, Groundborne Noise and Vibration Study, Singapore
- KV MRT Project – Groundborne noise and vibration impact assessment and trackwork design, Kuala Lumpur
- MTRC Groundborne Noise and Vibration Study – Diamond Hill Station, Shatin to Central Line (SCL), Hong Kong
- MTRC Groundborne Noise Borehole Impact Test Study and groundborne noise assessment – Express Rail Link (XRL), Hong Kong
- MTRC Groundborne Noise Impact Study to Metro Broadcast – Whampoa Station, Kwun Tong Extension (KTE), Hong Kong
- Bangkok MRT Blue Line, Groundborne Noise and Vibration Study, Thailand
- Gautrain Project – Groundborne noise and vibration impact assessment and trackwork design, South Africa
- MTRC Kwun Tong Extension (KTE) – Groundborne noise impact assessment for EIA study, Hong Kong
- Singapore DTE – Groundborne noise and vibration impact assessment
- Bangkok Metro Rapid Transit (MRTA) – Alstom Baseplate Anchor Bolts Stress & Rail Deflection Study, Thailand
- Singapore Metro Rapid Transit (SMRT) – Delkor Alternative Resilient Baseplate Vibration and Rail Deflection Study
- MTRC West Island Line (WIL) – Groundborne Noise and Vibration impact assessment , Hong Kong
- MTRC LAR – Vossloh Rail Damper performance assessment, Hong Kong
- Epping to Chatswood Rail Line – Groundborne Noise and Vibration impact assessment, Sydney
- Taipei MRT Rapid Transit System Orange Line Extensions – Borehole Impact Tests , groundborne vibration study and FST design, trackform vibration and rail deflection study, Taiwan
- MTRC AEL – Performance assessment of Pandrol Vanguard Baseplate, Hong Kong
- KCRC East Rail Extensions: Ma On Shan Extension, Design of “Rail Absorber” and “Trackside Sound Absorption Plenum”, Station Roof Test, Train Vehicle Air-Conditioner Noise Control, Rail Damper Performance Test, Noise Monitoring, Hong Kong
- Kaohsiung KMRT Orange and Red Lines – Groundborne noise and vibration impact assessment, Taiwan
- KCRC East Rail Extensions – Tsim Sha Tsui East Extension vibration study, Hong Kong
- KCRC LMC – TBM Groundborne Vibration Study, Hong Kong
- KCRC LRT –Viaduct structureborne noise assessment, Hong Kong
- MTRC Six Lines – Train Interior Noise Study, Hong Kong
- KCRC WR – Noise monitoring, Hong Kong
- KCRC KSL, SCL – Groundborne noise and vibration impact assessment, Hong Kong

BUILDING ACOUSTICS & STRUCTURE VIBRATION ISOLATION

- Telecom House Studios, Digital Broadcasting Corporation, Hong Kong
- New Broadcasting House of Radio Television Hong Kong Tender
- Ko Shan Theatre Annexe, Hong Kong
- Public Works Central Laboratory Instrument Vibration Assessment for T2 Truck Road Construction, Hong Kong
- Express Rail Link TBM Ground-borne Noise Monitoring, Hong Kong
- The Centre Studios, Metro Broadcast, Hong Kong, Broadcasting Studio Design
- Whampoa Studio Extension, Metro Broadcast, Broadcasting Studio Design, Hong Kong
- MTRC Station Acoustic Design – Kai Tak Station and Whampoa Station, Hong Kong
- City University of Hong Kong, Academic & Administration Building
- Hong Kong Central Government Project, Tamar
- Lai Chi Kok Drainage Tunnel TBM Groundborne Noise Assessment, Hong Kong
- City of Dreams – Background noise assessment and Theatre acoustic design, Macau
- Hong Kong Movie City – Building vibration isolation and theatre acoustic design
- Chi Ma Wan CLP Tunnel – Tunnel Boring Machine (TBM) Vibration Assessment, Hong Kong
- Hong Kong Science Park – Piling Vibration Measurement
- Hong Kong Science Park SAE – Vibration site survey for Electronic Microscopes
- Singapore Downtown Line 3 Tampines Station – Acoustic Design

OTHER

- Rail Resilient Baseplate Acoustics Test – Laboratory Testing