

Curriculum Vitae
CHRIS HU



BEng MSc

Position

Engineer, Wilkinson Murray (HK) Limited

**Qualifications
& Affiliations**

- Bachelor of Mechanical Engineering (Hons), HKU
- Master of Science (Electrical Engineering, specialism in Railway Systems)
- MASME, Member, The American Society of Mechanical Engineers, USA (2003 – Present)
- MIET, Member, The Institution of Engineering and Technology, UK (2006 – Present) (Former: IEE Institute of Electrical Engineers)
- AMIMechE, Associate Member, Institution of Mechanical Engineers, UK (2003 – Present)
- AMPWS, Associate Member, The China Hong Kong Permanent Way Society, HK (2003 – Present)
- AMIRSE, Associate Member, The Institution of Railway Signal Engineers, HK (2005 – Present)
- AMHKIOA, Associate Member, Hong Kong Institute of Acoustics, HK (2006 – Present)
- Graduate Member, Hong Kong Institution of Engineers, HK (2003 – Present)

Special Expertise

- Acoustic Design
- Noise and Vibration Assessment
- Railway Trackform Design and Noise Control

Employment History

7 years experience in Railway Floating Slab Trackform (FST) Design and Installation, Noise & Vibration Control, Architectural Acoustics and Noise Monitoring

2003 – 2006

Assistant Consultant, Wilson, Ihrig & Associates (HK) Limited

2006

Associate Consultant, Wilson, Crockett & Associates, Limited (Formerly Wilson, Ihrig & Associates (HK) Ltd.)

2007 – Present

Engineer, Wilkinson Murray (HK) Limited

PROJECT EXPERIENCE

ACOUSTIC DESIGN

- Canadian Imperial Bank of Commerce (CIBC), Hong Kong office, Partition acoustic study
- Sydney Strawberry Hills Hotel
- Hong Kong Central Government Project, Tamar
- Hong Kong Airport Passenger Terminal Extension

TRACKFORM DESIGN

- Taipei MRT Rapid Transit System, Orange Line & Blue Line Extension, Taiwan

LABORATORY TESTING

- Rail Resilient Baseplate Acoustics Test

RAILWAY NOISE AND VIBRATION STUDIES

- MTRC Groundborne Noise and Vibration Study – Diamond Hill Station, Shatin to Central Line (SCL), Hong Kong
- MTRC Groundborne Noise and Vibration Study – Kai Tak Station, Shatin to Central Line (SCL), Hong Kong
- MTRC Groundborne Noise Borehole Impact Test Study – Express Rail Link (XRL), Hong Kong
- MTRC Groundborne Noise Impact Study to Metro Broadcast – Whampoa Station, Kwun Tong (KTE), Hong Kong
- MTRC Groundborne Noise and Vibration EIA Study – Kwun Tong (KTE), Hong Kong
- MTRC Airborne and Groundborne Noise EIA Study – Express Rail Link (XRL), Hong Kong
- Epping to Chatswood Rail Line Noise Model Study, Sydney
- Hong Kong Tramway Isolated Slab Track (IST) Ground-borne Noise and Vibration Study
- KCRC KSL Noise Monitoring, Hong Kong
- SMRT Down Town Extension (DTE) Structural Vibration Finite Element Analysis (FEA), Singapore
- High Speed Rail Composite Viaduct Noise Study, Taiwan
- MRTA Alstom Baseplate Anchor Bolts Stress & Rail Deflection Study – Thailand Bangkok Metro Rapid Transit
- SMRT Delkor Alternative Resilient Baseplate Vibration and Rail Deflection Study – Singapore Metro Rapid Transit
- MTRC Groundborne Noise and Vibration EIA Study – West Island Line (WIL), Hong Kong
- MTRC Performance Assessment of the Vossloh Rail Damper – LAR, Hong Kong
- Taipei MRT Rapid Transit System Orange Line Extensions, Borehole Impact Tests, Taiwan
- Kaohsiung Rapid Transit Corporation (KRTC), Tunnel Impact Tests, Taiwan
- MTRC AEL Pandrol Vanguard Baseplate, Performance Assessment, 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
- KCRC East Rail Extensions: Tsim Sha Tsui East Extension, Impact Tests
- KCRC LMC, TBM Groundborne Vibration Study, Hong Kong
- MTRC System Wide Train Interior Noise Study, Hong Kong

BUILDING STRUCTURE VIBRATION ISOLATION

- Public Works Central Laboratory Instrument Vibration Assessment for T2 Truck Road Construction, Hong Kong
- Perth ANI Development Building Isolation Rubber Pads Design, Australia
- China Merchant Heavy Industries, Acoustics and Design Consultancy Service for Noise Barriers and Absorptive Panels for Highways and Transit Systems
- Hong Kong Movie City, “Floating Slab” Bearing for Building Base Vibration Isolation System
- Chi Ma Wan CLP Tunnel, Lantau Island, Vibration Assessment of the Tunnel Boring Machine (TBM), Hong Kong
- Hong Kong Science Park, Piling Vibration Measurement