

RECORDED WEBINAR TALK ON **FROM INTRODUCTION TO IMPLEMENTATION: THE JOURNEY OF NOISE CONTROL**

ORGANISED BY: ENGINEERING EDUCATION TECHNICAL DIVISION, IEM

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5 MARCH 2026, THURSDAY



11.30AM – 1.30PM



ZOOM PLATFORM

SPEAKER:

ASSOC. PROF. TS. DR. TAN WEI HONG



REGISTRATION

IEM STUDENT: FOC

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SYNOPSIS

Noise pollution is a pressing concern in both industrial and urban environments, affecting health, productivity, and quality of life. This webinar presents a comprehensive journey into the science and engineering of noise control—from foundational acoustic principles to practical strategies in mitigating sound disturbances. Participants will explore core noise control strategies, such as source mitigation, pathway interruption, and receiver protection, supported by real-world case studies in motorcycle mufflers, construction sites, building materials, lecture room, and traffic noise. This session is ideal for engineers, researchers, and practitioners seeking effective approaches to noise reduction and environmental acoustics.

SPEAKER'S PROFILE

Ts. Dr. Tan Wei Hong is an Associate Professor at the Faculty of Mechanical Engineering & Technology, UniMAP. He holds extensive expertise in acoustics, sound transmission analysis, and noise control engineering. With over a decade of experience in research and consultation, Dr. Tan has published widely in high-impact journals and conducted various case studies related to industrial noise reduction, muffler designs, and building acoustic insulation. As a certified Professional Technologist (Ts.), he actively engages with industry and academia to promote sustainable and practical solutions in noise mitigation.