



# IEM

The Institution of Engineers, Malaysia

CONSULTING ENGINEERING SPECIAL INTEREST GROUP



SOURCE: UNITREE

WEBINAR

# ROBOT DOGS UNLEASHED



ZOOM - VIRTUAL PLATFORM

11 MARCH , 2025

5.30 - 7.30 PM (MYT)

*Speaker*

**Ir. Prof. Dr Tan Chee Fai**

Deputy Vice-Chancellor

Infrastructure University Kuala Lumpur | IUKL

Board Member

World Robotic Corporation Organisation | WRCO

**Registration Fees**

IEM Students : Free

IEM Members : RM 15

Non-IEM Members : RM70

BEM APPROVED CPD/PDP HOURS : 2  
REF NO. : APPLYING



# SYNOPSIS

**Robotic quadrupeds, or “robot dogs,”** are transforming industries with their agility, AI-driven intelligence, and adaptability. From security and industrial inspections to disaster response and logistics, these autonomous machines are redefining automation. This webinar explores the latest advancements, real-world applications, and future trends of robot dogs, highlighting their impact on various sectors. Experts will discuss AI integration, mobility, sensor technologies, and ethical considerations in deploying these machines. Join us to discover how robotic quadrupeds are shaping the future of robotics, enhancing efficiency, and revolutionizing human-robot collaboration across industries.

## SPEAKER BIODATA

Ir. Prof. Dr TAN Chee Fai is a practising engineer who specializes in smart manufacturing. He currently serves as the Honorary Secretary of the Institution of Engineers Malaysia (IEM), where he leads initiatives to promote smart industry innovations across the region. As an Exco Member of the Machinery & Engineering Industry Federation (MEIF) in Malaysia, he significantly contributes to developing policies and strategies for the nation's engineering sector.

Prof. Tan is a Fellow of the Academy of Engineering & Technology of the Developing World (AETDEW) and the ASEAN Academy of Engineering & Technology (AAET), earning recognition for his contributions to advancing engineering in developing regions and across ASEAN. His global reach includes his role as a Specialist for the ISO/IEC Smart Manufacturing Standards Map Task Force (ISO/IEC SM2TF), where he helps shape international standards in smart manufacturing. As a member of the Big Data & AI Working Group at the World Federation of Engineering Organizations (WFEO), he supports cutting-edge technological advancements worldwide.

Prof. Tan has been invited as a keynote speaker at major international events, including the World Robot Conference, the World Artificial Intelligence Conference, the World Intelligent Manufacturing Conference, The World Sensors Summit and more. He has also served as a FEIAP and UNESCO expert, advancing engineering education in African and APEC economies.