

TALK ON

"THE NEXT CATALYST FOR AGRICULTURE: SMART FARMING"

"Organised by the Agricultural and Food Engineering Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Ref No. IEM18/HQ/464/T

Date : 21st November 2018 (Wednesday)
Time : 5.30 pm – 7.30 pm (Refreshments will be served at 4.30pm)
Venue : Auditorium Malakoff, Ground Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker: Ir. Dr. Tan Chee Fai

SYNOPSIS

Emerging technologies has changed various industries at a fast pace. The emerging technologies, such as cloud computing, internet of things, wireless sensor network, big data and mobile internet are being implemented into industries and it is believed to be ever expanding. The advances of science and technology continuously support the development of industrialization all over the world. From a technological evolution perspective, there are four stages commonly identified for the industrial revolution. The first three industrial revolutions took place in around two centuries, and are the result of, respectively:

- (1) The usage of wind, water and steam energy to power machinery;
- (2) The introduction of electrical into the manufacturing line for mass production; and
- (3) The use of automation technology for the manufacturing line.

Due to the emergent of the fourth industrial revolution (IR 4.0), many worldwide governments have initiated different national plan towards a new industrial revolution. Smart farming is a farming management concept using modern technology to increase the quantity and quality of agriculture products. In this talk, the application of modern technology in the agricultural industry will be described.

BIODATA OF SPEAKER



Ir. Dr. Tan Chee Fai has more than 18 years of experience in the manufacturing industry. He is actively involved in strategic and technical consultation as well as research, design and development of smart systems. Currently, he is the Chief Technical Officer of Robolab Technology Sdn. Bhd. Ir. Dr. Tan is actively consulting and assists industry towards Industry 4.0 especially in relation to Intelligent Manufacturing: Robotic Systems, Big Data Analytics, Artificial Intelligence and Cyber Security. Fraunhofer IEM is the technical partner institution of Robolab Technology Sdn. Bhd. He has led various Industry, University and Malaysia Government as well as International Funded Projects. He was invited as Keynote Speaker in various important international engineering events such as World Intelligent Manufacturing Summit (WIMS) at Nanjing, China, World Robotic Conference at Beijing, Intelligent Manufacturing Seminar on Collaboration to Boost the Economic Development of Belt and Road Areas, Parallel Session of the 20th Annual Meeting of China Association for Science and Technology and ICE-IEM Future Engineers Conference. He was the UNESCO Individual Specialist. Based on his contribution to the engineering community, Ir. Dr. Tan is the JCI Ten Outstanding Young Malaysian Award Honoree in 2014.

Ir. Vasan Mariappan
Chairman
Agricultural and Food Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

Members

Administrative Fee :

Online RM15
Walk In RM20

Non-Members

Registration Fee: RM50
Administrative Fee: RM20

Limited seats are available on a "first come first served" basis (Maximum 100 participants).

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