



# The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan  
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

## Talk on "Industry4WRD: National Policy on Industry 4.0 -: A Competitiveness Catalyst for Malaysia Manufacturing Sector"

Organised by the Consulting Engineering Special Interest Group, IEM

BEM Approved CPD/PDP Hours: 2 Ref no: IEM18/HQ/484/T

Date : 4<sup>th</sup> December 2018 (Tuesday)  
Time : 5.30pm to 7.30pm (Refreshments will be served at 4.30pm)  
Venue : Auditorium Malakoff, Ground Floor, Wisma IEM  
Speaker : Ir. Dr. Tan Chee Fai

### SYNOPSIS

The emerging technologies have changed the engineering environment at a fast pace. The emerging technologies, such as cloud computing, internet of things, wireless sensor network, big data, and artificial intelligence are starting to be implemented into manufacturing industries and it is believed to be approaching. The advances in science and technology continuously support the development of industrialization all over the world. The Malaysian manufacturing industry is needed to transform towards the fourth industrial revolution in order to strengthen their competitiveness internationally. Malaysia government has initiated a national level technical working group that lead by the Ministry of International Trade and Industry to develop a National Industry 4.0 policy in 2017. The technical working group lead is consists of the member from Ministry of Communications & Multimedia, Ministry of Higher Education, Ministry of Human Resource, Ministry of Finance, Ministry of Science, Technology & Innovation and SME Corporation Malaysia. In addition, various organisations such as Federation of Malaysian Manufacturers (FMM), Intel Malaysia, Malaysia Investment Development Authority (MIDA), Malaysia Technology Development Corporation (MDEC), Universiti Teknologi Malaysia, etc. were contributed for the input into the National Industry 4.0 Policy draft. The Industry4WRD - Malaysia National Industry 4.0 Policy has been launched on 31 October 2018 by Prime Minister of Malaysia, YAB Tun Dr. Mahathir bin Mohamad. In the talk, the speaker will describe and discuss the Industry4WRD.

### BIODATA OF SPEAKER



*Ir. Dr. Tan Chee Fai AMN* has more than 18 years of experience in 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 consult and assist manufacturing 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, Intelligent Manufacturing Seminar on Collaboration to Boost the Economic Development of Belt and Road Areas, Parallel Session of the 20<sup>th</sup> Annual Meeting of China Association for Science and Technology and ICE-IEM Future Engineers Conference. He was the UNESCO Individual Specialist. Ir. Dr. Tan currently the Vice Chairman of SMI Sub-Committee, Federation of Malaysia Manufacturers (FMM) Selangor Branch. Based on his contribution to engineering community and industry, Ir. Dr. Tan is the JCI Ten Outstanding Young Malaysian Award Honoree in 2014.

**Ir. Vignaeswaran Shanmuganathan**  
Chairman  
Consulting Engineering Special Interest Group, IEM

### ANNOUNCEMENT TO NOTE FEES

(Effective 1<sup>st</sup> October  
2017)

#### Members

Registration Fee : FOC  
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).
- To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)

### PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM's use and processing of my personal data