

**Technical Talk on**  
**“Industry4WRD: Digital Transformation for SMEs in a Time of Crisis”**

(Organised by Consulting Engineering Special Interest Group)

BEM Approved CPD/PDP hours:2 Ref No: Pending

Date : **18<sup>th</sup> December 2020 (Friday)**  
Time : **5.30om to 7.30pm**  
Venue : **Digital Platform - Goto Webinar**  
Speaker : **Ir. Dr. Tan Chee Fai AMN**

**Synopsis:**

The 4th industrial revolution (IR4.0), popularly referred to as ‘Industry 4.0’ nowadays. Industry 4.0 will transform traditional manufacturing establishments into ‘smart factory’ through cutting-edge automation and manufacturing processes. This transition incorporates the most innovative advancements in areas such as Intelligent Robotics, Additive Manufacturing, Advanced Sensors, Internet of Things (IoT), Big Data Analytics, Augmented Reality (AR), and Cloud Computing. Each industry will experience the propelling and disruptive effects of this process. In this year, many Malaysia-based businesses are predicted to adopt Industry 4.0 in the next few years. Covid-19 is the catalyst of Malaysia SMEs towards Industry 4.0. Reports from Malaysia External Trade Development Corporation (MATRADE) and the Department of Statistics Malaysia (DOSM) indicated that manufacturing accounts for over 80% of all exports and 23% of GDP. Industry 4.0 covers the complete end-to-end value chain, this includes design, production, supply chain, procurement, marketing, logistics and sales. Implement Industry 4.0 technologies and sail the waves of digital transformation to accelerate your business organization with resilience and agility through economic uncertainty. In the talk, the speaker will share the how the industry is able to start the journey towards Industry 4.0.

**Biodata:**



**Ir. Dr. Tan Chee Fai AMN** has more than 20 years of working experience in the advanced engineering industry. Currently, Ir. Dr. Tan is the Vice President, Institution of Engineers Malaysia (IEM). He is the Fellow of the ASEAN Academy of Engineering & Technology (AAET), Honorary Fellow of ASEAN Federation of Engineering Organizations (AFEO) and Fellow of the Institution of Engineers Malaysia (IEM). In addition, he is the Foreign Senior Member, Chinese Mechanical Engineering Society (CMES). He also the alumni of Technical University Eindhoven (TU/e), the Netherlands and Stanford Graduate School of Business, USA. Currently, he is the Chief Technical Officer, Robolab Technology Sdn

Bhd. He is actively involved in intelligent strategic and advanced technical consultation to assist industry towards the 4th Industrial Revolution. Ir. Dr. Tan has been appointed by MSM International Limited as Director for Industry 4.0 Centre of Excellence (I4.oCoE) to strategize the group towards technological advancement via Industry 4.0. He has led various Industry, University, and Malaysia Government as well as International funded projects such as EU Seventh Framework Programme (FP7). With the knowledge and experience, Ir. Dr. Tan has contributed as Keynote Speaker in various important international engineering events such as Annual Meeting of China Association of Science & Technology (CAST), FEIAP General Assembly, World Intelligent Manufacturing Summit (WIMS) and Institution of Civil Engineers (ICE) Future Engineers Conference. He is the UNESCO Specialist to assess and study on engineering education at APEC Economy. He is the qualified HRDF Trainer and NIOSH Trainer. Based on his contribution to the ASEAN engineering community since the year 1998, Ir. Dr. Tan was awarded as the 2014 JCI Ten Outstanding Young Malaysian Award. In the following year, Ir. Dr. Tan also received Ahli Mangku Negara (A.M.N.) [Member of the Order of the Defender of the Realm] bestowed by His Majesty the Yang di-Pertuan Agong of Malaysia (The Supreme Head of Malaysia) in 2015.

**Ir. Yim Hon Wa**  
**Chairman**  
**Consulting Engineering Special Interest Group, IEM**

**ANNOUNCEMENT TO NOTE**  
**FEES**

**Members**

Administrative Fee :

<b><u>Online</u></b>	RM15
<b><u>Walk In</u></b>	RM20

**Non-Members**

Registration Fee: RM50  
Administrative Fee: RM20

Limited seats are available on a "first come first served" basis (Maximum 60 participants).

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

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**PROTECTION ACT**

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