

TALK ON

"The Next Industry Revolution: The Future Revolution of Global Engineering"

Organised by the Mechanical Engineering Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/506/T

Date : 17 January 2017 (Tuesday)
Time : 5.30 pm – 7.30 pm (*Refreshments will be served at 5.00pm*)
Venue : C&S & TUS Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : Ir. Dr. Tan Chee Fai

SYNOPSIS

Around the world, traditional manufacturing industry is in the throes of a digital transformation that is accelerated by exponentially growing technologies (e.g. intelligent robots, autonomous drones, sensors, 3D printing). The pace of change reflects 'Moore's law' on the speed at which information technology-driven change happens. Companies and their industrial processes need to adapt to this rapid change if they are not to be left behind by developments in their sector and by their competitors. These trends are not to be compared simply with a greater level of production automation, process that has, since the 1970s, been driven by developments in electronics and information technology. The widespread adoption by manufacturing industry around the world of information and communications technology is now paving the way of disruptive approaches to development, production and the entire logistics chain. This networking within an 'internet of things, services, data and people' will transform the future of manufacturing as well as most of the engineering services. In this talk, the current development of industry of various countries such as German, China, US, Japan, etc. will be described.

BIODATA OF SPEAKER



Ir. Dr. Tan Chee Fai is a practicing mechanical consultant, researcher and innovator. He is graduated with Bachelor of Engineering (Mechanical) and M. Sc. (Manufacturing Systems Engineering) from Universiti Putra Malaysia (UPM), as well as PhD in Industrial Design Engineering from Eindhoven University of Technology (TU/e), the Netherlands. He is a registered Professional Engineer with Practising Certificate (Mechanical), Board of Engineers, Malaysia and a Fellow of Institution of Engineers, Malaysia. Besides, he is a registered ASEAN Chartered Professional Engineer (ACPE), ASEAN Engineer (AE), APEC Engineer and International Professional Engineer (IntIPE). He is the JCI Ten Outstanding Young Malaysian Award 2014 honoree in the category of Humanitarian and/or Voluntary Services. He is a FEIAP Engineering Education Guidelines Reviewer. He actively involved in academic, publication, consultation as well as research, design and development activities. His field of expertise covers the aspects of mechanical engineering and industrial design engineering. He has lead various university and Malaysia Government funded projects as well as international funded projects (Netherlands). He is a qualified HRDF trainer, NIOSH trainer and HRDF Recognition Prior Learning (RPL) Assessor.

Ir. Dr. Kannan M. Munisamy
Chairman
Mechanical Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- 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.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- Student Members are however exempted.

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