

TALK ON

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

Organised by the Mechanical Engineering Technical Division, IEM

Date : 7 December 2016 (Wednesday)
 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 of manufacturing industry around the world of information and communication technologies is now paving the way of disruptive approaches to development, production and the entire logistics chain. This networking with '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 industrial designer. He 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:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- Non members may attend the talk but will need to pay a participation fee of RM50 and an administrative fee of RM10. GST is inclusive.
- For members of associated organisations, there will be no registration fee payable. However, they are requested to produce their membership cards for confirmation of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- ***IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.***

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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