

## Half-day Talk on

### “Opportunities and Challenges of Robotics in Industry 4.0 in Malaysia”

**Date : Saturday, 20<sup>th</sup> October 2018**

**Venue : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru.**

**Speaker : Dr. Yeong Che Fai, Universiti Teknologi Malaysia (UTM)**

#### Synopsis

Robotics play an important role in the Industry 4.0, a current trend of automation and data exchange in manufacturing technologies or commonly referred to as the fourth industrial revolution. There is no doubt that the Industry 4.0 can provide manufacturers many benefits including higher revenue and increase efficiency. However, the implementation of Industry 4.0 in Malaysia especially together with robotics has its own unique challenges. This talk will focus on the both opportunities and challenges of robotics implementation in Industry 4.0 in Malaysia. The talk will start with a general introduction to industrial robotics and follow by an in-depth discussion on some case studies of robotics implementation in Malaysia.

Time	Programme Tentative
8.30 a.m. - 9.00 a.m.	- Registration
9.00 a.m. – 9.10 a.m.	- Welcome Speech By IEM (SB) Organising Committee
9.10 a.m. – 10.30 a.m.	- Opportunities and Challenges of Robotics in Industry 4.0 in Malaysia (Session 1)
10.30 a.m.- 10.45 a.m.	- Coffee Break
10.45 a.m.- 12.00 p.m	- Opportunities and Challenges of Robotics in Industry 4.0 in Malaysia (Session 2)
12.00 p.m.- 12.30 p.m.	- Discussion - Questions & Answers Session
12.30 p.m.	End

#### Biodata Speaker:

Dr. Yeong Che Fai is a Senior lecturer at Universiti Teknologi Malaysia. He received his PhD from Imperial College London and his MEng & BEng from UTM. His interests are in embedded system, robotics, innovations and entrepreneurship. He has won more than 100 awards for his innovation and entrepreneurship works such as World Invention Award at the British Invention Show, Korean Inventor Award Festival, APICTA Award, ROBOCON, Allianz Bank SME Innovation Challenge, Ministry of Education Entrepreneurship Mentor Award, trips to Philips at Eindhoven and to Silicon Valley through the selective MaGIC e@Stanford program. He was also selected to participate in Austrian Leadership Program (Vienna) and Newton Fund Leader in Innovation Fellowship Program (London) sponsored by respective government. He is an entrepreneur and has co-founded several companies. One of the companies, DF Automation & Robotics, produces Industry 4.0 enabled robots which have been exported to US, UK, Mexico, Singapore, Thailand and Philippines, among others. Another company, Techcare Innovation Sdn. Bhd., focuses on rehabilitation robots and assistive technology.

#### Participant Fees:

Grade	Online	Normal
IEM Corporate Members & IEM Graduate Members (30 years and above)	RM70.00	RM90.00
IEM Graduate Members (Below 30 years)	RM60.00	RM80.00
IEM Senior Engineers (60 years and above)	RM60.00	RM80.00
IEM Student Members	RM50.00	RM60.00
Non-Member	RM120.00	RM150.00

**Closing Date: 16<sup>th</sup> October 2018**

For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708) before the **closing date**. Registration will be on a first-come-first-serve basis. Kindly return the Reply Slip to the IEM (SB) office before **16<sup>th</sup> October 2018** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

*Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)*

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The Institution of Engineers, Malaysia (Southern Branch)  
E-mail : [iemsouthern@gmail.com](mailto:iemsouthern@gmail.com) ; Fax: 07 - 331 9710

**Half-day Talk on**

**“Opportunities and Challenges of Robotics in Industry 4.0 in Malaysia”**

Saturday, 20<sup>th</sup> October 2018, 9.00 a.m. – 12.30 p.m. at The IEM (Southern Branch) Training Centre, Johor Bahru.

I wish to attend the above talk. I enclosed herewith a cheque No. .... for the amount of RM.....as payment for the seminar fee.

Name of Member: ..... Membership No:.....

I/C No: .....

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