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Talk On "Digitalization & Predix: An Overview"

Jointly Organised by Electrical Engineering, Technical Division, IEM and Information and Communications Technology Special Interest Group, IEM

Incorporation with The Institution of Engineering and Technology, IET – Malaysia Section

Date : **30th October 2017 (Monday)**
Time : **5.30pm to 7.30pm *(Refreshments will be served at 5.00pm)***
Venue : **Tan Sri Prof. Chin Fung Kee Auditorium, Wisma IEM, Petaling Jaya**
Speaker : **Mr. Gabriel Tse**

BEM Approved CPD/PDP Hours: 2
Ref No: IEM17/HQ/436/T

SYNOPSIS

Digitization is the process of converting information into a digital format. The result is the representation of an object, image, sound, document or signal by generating a series of numbers that describe a discrete set of its points or samples. The result is called digital representation or, more specifically, a digital image, for the object, and digital form, for the signal. In modern practice, the digitized data is in the form of binary numbers, which facilitate computer processing and other operations, but, strictly speaking, digitizing simply means the conversion of analog source material into a numerical format; the decimal or any other number system that can be used instead.

Predix is General Electric's software platform for the collection and analysis of data from industrial machines. General Electric plans to support the growing industrial internet of things with cloud servers and an app store. GE is a member of the Industrial Internet Consortium which works to aid the development and use of industrial internet technologies. Predix as a cloud-based PaaS (platform as a service) is claimed to enable industrial-scale analytics for asset performance management (APM) and operations optimization by providing a standard way to connect machines, data, and people. GE expects Predix software to do for factories and plants what Apple's iOS did for cell phones.[4] Built on Cloud Foundry open source technology, Predix provides a microservicesbased delivery model with a distributed architecture (cloud, and on-machine))

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SPEAKER BIODATA

Gabriel Tse (Gabe) is a Director of Digital & Growth Initiatives in June 2017. He actively partners the GE Digital & Business Digital teams to identify & drive EVP's as well as Predix He provides additional coverage for driving Digital enablement in the countries and synergise country and business teams efforts on driving the digital play for Energy Ecosystem.

He holds Bachelors and Masters degrees in mechanical engineering from The Massachusetts Institute of Technology & Stanford University, respectively, and an MBA from the University of Southern California. Since joining GE, he has developed commercial and marketing strategies for Unconventional Gas, Offshore Marine, and Small Gas Processing (CNG/LNG) in the US and Asia. Prior to this, he drove strategic initiatives for GE Oil & Gas on the Industrial Internet and Production Optimization – realigning O&G's upstream software portfolio and driving GE's production optimization R&D efforts to help customers increase profitability.

ANNOUNCEMENT TO NOTE

EFFECTIVE 1ST OCTOBER 2017

FEES FOR TALKS

Members

Registration Fee :	FOC
Administrative Fee :	
Online:	RM15.00
Walk-In:	RM20.00

Non-Members

Registration Fee :	RM50.00
Administrative Fee :	RM20.00

- 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**

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 and I agree to IEM's use and processing of my personal data

Ir. Chong Chew Fan
Chairman
Electrical Engineering Technical Division

Ir. Chai Chen Sing
Chairman,
Information and Communications Technology Special Interest Group, IEM