

TECHNICAL TALK ON “THE FOURTH INDUSTRIAL REVOLUTION AND ITS IMPLICATIONS IN BUSINES”

Organised by the Engineering Education Technical Division, IEM

in collaboration with Engineers Australia Malaysia Chapter (EAMC) and Institute of Mechanical Engineers Malaysia Branch (IMechE)

BEM Approved CPD/PDP: 2 Hours

Ref: IEM19/HQ/204/T

Date : 17th June 2019, Monday
Time : 5.30 pm – 7.30 pm
Venue : Auditorium Tan Sri Prof Chin Fung Kee, Third Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : Ir. Dr. Ling Chen Hoe

SYNOPSIS

Previous industrial revolutions liberated mankind from animal power and made mass production possible. The Fourth Industrial Revolution is, however, fundamentally different. It is characterized by a range of new technologies that are fusing the physical, digital and biological worlds, impacting all disciplines, economies and industries, and even challenging ideas and roles that has been central to humans. The resulting shifts and disruptions mean that we live in a time of great promise as well as great peril. The world has the potential to connect billions of people to digital networks, dramatically improve the efficiency of organizations and even manage assets in ways that can help regenerate the natural environment, potentially undoing the damage of previous industrial revolutions. The adoption of digital technology has reached a point where we are ready for another radical change, the digital transformation of the industry or what we call Industry 4.0.

In Industry 4.0, cybernetics is the basis for the optimization of design and production processes, which allows manufacturing of highly customized, flexible and efficient products. It affects the entire lifecycle of a product, ensuring its vertical and horizontal integration. The digital integration of information provides real-time access to the data that are relevant to the business. The fourth industrial revolution is a new era that gives a quantitative and qualitative leap in the organization and management of value chains. This new stage of the industry is committed to greater automation, connectivity and globalization.

Today, we see that the interrelation between different areas such as Products, Processes and Business Models has penetrated the industrial world, bringing with it the IoT and the world of Blockchain, Robotics, Drones, Big Data Analytics, Machine Learning and Artificial Intelligence. It is expected that Industry 4.0 will impact society and economies in a big way. Decisions are expected to be made more quickly and efficiently as a result. It is therefore in the interest of the individual as well as businesses to be informed about the realities of this wave dawning upon us to enable us to adapt ourselves as well as our businesses accordingly.

SPEAKER BIODATA



Ir. Dr. Ling Chen Hoe has been working with Meiden Malaysia, a company in the electrical engineering and construction industry in Malaysia since 1990. The company is a subsidiary of Meidensha Corporation, Japan (<http://www.meidensha.com/>) a manufacturer of electrical equipment and provider of electrical engineering products and services to both the private and public sectors in Malaysia. He is currently the Senior General Manager and Director of the company, with roles for Business Development, Strategic Planning and overseeing of the Engineering and Corporate Departments of the company.

Dr Ling obtained his Bachelor's Degree in Electrical Engineering, RMIT University, Melbourne, Australia in year 1989. He holds a MBA from the University of Lincoln, United Kingdom (2003) and obtained his Doctorate in Business Administration (DBA) in 2015 from SGI University, Malaysia. He is also a certified Chartered Professional Engineer of Australia, a Competent Engineer (33kV,132kV) & Professional Engineer in Malaysia. Dr Ling also serves part-time in various universities' programs, namely in the engineering faculty and post-graduate business management studies.

Ir. Assoc. Prof. Dr. Mohamed Thariq Bin. Haji Hameed Sultan
Chairman of Engineering Education Technical Division (E2TD)

ANNOUNCEMENT TO NOTE

FEES

(Effective 1st October 2017)

Members

Registration Fee : NO CHARGE
Administrative Fee : NO CHARGE
Online : RM15
Walk In : RM20

Non-Members

Registration Fee : RM50
Administrative Fee : RM20

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