WEBINAR TALK ON

IoT in SMART AGRICULTURE

Organized by Information and Communication Technology Special Interest Group (ICTSIG)

21 OCTOBER 2021, THURSDAY
5.30 PM – 7.30 PM
By: MR TAN CHIN LUH

SYNOPSIS

In Malaysia, agriculture is one of the principal economic activities which contribute about 8% of total GDP for the country. Based on the data from World Bank, almost 80% of the world's poor live in rural areas and depend on agriculture for their living. The growing population also put the sector under pressure to inside the production to meet the consumer demands, and the call for the digital transformation in agriculture has been raised since years back. The outbreak of Covid-19 had speed up the adoption of Internet of Things (IoT), Artificial Intelligent (AI) and other technologies to reduce the dependencies to manpower, and at the same time, increase the yields of the crops.

The agriculture in Malaysia had seen a major transformation during this period, from traditional farming to smart farming, from soil farming to hydroponics, from rural area to urban farming, and from outdoor to indoor farming. Each of these showing different demands and requirement for the IoT system, even the fundamental of the technologies are the same.

Moving towards the Smart Farming, a new generation of farmers, would require different skillsets as compared to the conventional farmers. IoT engineers, agronomist, data scientist, cloud developer, technical farm manager and other roles becoming more and more important in coming futures.

This session will share the IoT for smart agriculture from different perspective, such as the views of different groups of peoples in this transformation, their expectation and the challenges faced; Different type of farming due to the limitation of resources such as lands and manpower; Components of the IoT system in Agriculture and how does it relate to the IoT system in other fields.

BEM Approved CPD/PDP Hours: 2
Ref. no: IEM21/HQ/400/T (w)

Registration Fee:
IEM Member: Rm15
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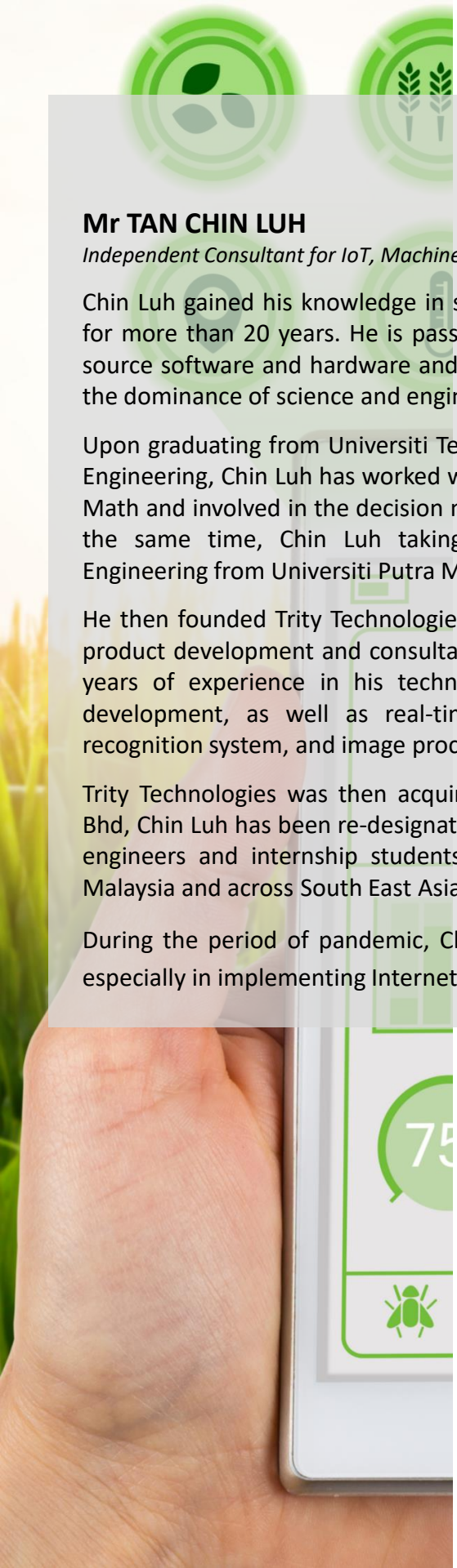

SPEAKER PROFILE

Mr TAN CHIN LUH

Independent Consultant for IoT, Machine Learning, Data Analytics for IR4.0 in Agriculture & Manufacturing

Chin Luh gained his knowledge in science and engineering from his experience in these fields for more than 20 years. He is passionate in developing solutions and applications with open-source software and hardware and believing in open-source software and hardware would be the dominance of science and engineering domains in near future.

Upon graduating from Universiti Teknologi Malaysia with First Class Honor Degree in Electrical Engineering, Chin Luh has worked with a few organizations including TechSource Systems and i-Math and involved in the decision making and business development of the companies. During the same time, Chin Luh taking his Master Degree in Computer and Communication Engineering from Universiti Putra Malaysia.

He then founded Trity Technologies together with other partners and actively involved in the product development and consultation for the customers. He has accumulated more than ten years of experience in his technical and development of high-level software application development, as well as real-time embedded control, data acquisition system, speech recognition system, and image processing and automation system.

Trity Technologies was then acquired by Bytesource Sdn Bhd, and rebrand to Bytecode Sdn Bhd, Chin Luh has been re-designated as the Chief Consultant supervising a team of application engineers and internship students for application support and development for Scilab for Malaysia and across South East Asia.

During the period of pandemic, Chin Luh involved heavily in digital transformation activities especially in implementing Internet of Things (IoT) in Agriculture.

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