Half-Day Talk on "Making Sense of Internet-of-Things: Concept and Applications"

Date	:	**Saturday, 28th November 2020**
Venue	:	**IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru.**
Speaker	:	**Dr. Rozeha A. Rashid**, Universiti Teknologi Malaysia (UTM)

Synopsis

We are living in the era of digital transformation. Internet-of-Things (IoT) is an essential component in Industrial Revolution 4.0 and in a more local context, in realizing the agenda of National IoT Strategic Framework. The most interesting thing about IoT is not just about the phenomenal number of connected devices that are 'talking' to one another over the years, but the impact on the 'connected person' of this 'conversation'. It can transform existing segments of the economy: retail, farming, industrial, logistics, cities, and the environment as well as turning a smartphone into a command center and gateway for both digital and physical objects.

This talk will attempt to help the participants gain understanding on the concept of IoT and to "make sense' of the components that constitutes IoT environment. The talk will also cover existing IoT applications and use cases of IoT solutions from Telecommunication Software and Systems (TeSS) Research Group.

Time	Tentative Programme
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.	Making Sense of Internet-of-Things: Concept and Applications (Session 1)
10.30 a.m. – 10.45 a.m.	- Coffee Break
10.45 a.m. – 12.15 p.m.	Making Sense of Internet-of-Things: Concept and Applications (Session 2)
12.15 p.m. – 12.45 p.m.	- Discussion - Question & Answer Session
12.45 p.m.	Closing & End of Talk

About the Speaker:

Dr. Rozeha A. Rashid graduated from University of Michigan, Ann Arbor, Michigan, USA with Bachelor's Degree in Electronic Engineering Mechanical Engineering in 1989. She obtained her MSc in Electrical Engineering (Telecommunication) and PhD in Electrical Engineering (Cognitive Radio Network) at Universiti Teknologi Malaysia in 1993 and 2015 respectively.

She is a senior lecturer in the Communication Engineering Program, School of Electrical Engineering, Universiti Teknologi Malaysia and currently she is the Head of Telecommunication Software and System (TeSS) research group. She is an IEEE member and has more than 140 publications mostly in the area of Telecommunication Engineering. Her research interests are wireless communications, sensor network, cognitive radio and Internet-of-Things (IoT). She is involved in many IoT based industry projects. To date, she has led more than 20 projects as the principal investigator and about 40 projects as co-investigator under various types of grants that include national, industry, community and university grants.
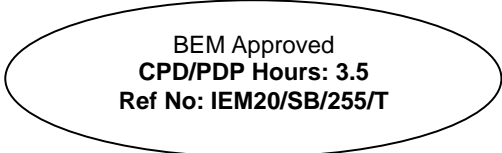
Participant Fees:

Grade	Online	Normal
IEM Corporate Member & Graduate Members (30 years and above)	RM 70.00	RM 90.00
IEM Senior Engineers (60 years and above) & IEM Graduate Members (Below 30 years)	RM 60.00	RM 80.00
IEM Student Members	RM 40.00	RM 50.00
Non-Member	RM 120.00	RM 150.00

Closing Date: 24th November 2020

The seminar is strictly limited to **30 participants** only. Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **24th November 2020** 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)

BEM Approved
CPD/PDP Hours: 3.5
Ref No: IEM20/SB/255/T

REPLY SLIP

To: Hon. Secretary, The Institution Of Engineers, Malaysia (Southern Branch) **Fax: 07 – 3363406**

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Saturday, 28th November 2020, 9.00 a.m. – 12.45 p.m.
at IEM (Southern Branch), Training Centre, 24-B , Jalan Abiad, Taman Tebrau jaya, 80400 Johor Bahru, Johor

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

Name of Member: .... Membership No:......................… I/C No: ....

Address: .... Tel(O): ....(Fax)……………………………..

....Tel (H/P): ………………………………….

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