



# IEM

The Institution of Engineers, Malaysia

ORGANISED BY INFORMATION AND  
COMMUNICATIONS TECHNOLOGY SPECIAL  
INTEREST GROUP (ICTSIG)

# WEBINAR TALK ON UNDERSTANDING 5G TECHNOLOGY AND APPLICATIONS



**MONDAY**  
**27 NOVEMBER**



**TIME**  
**4.00PM - 6.00PM**



**PLATFORM**  
**ZOOM**

**CPD APPROVED HOURS : 2 HOURS**

**CPD REF NUM : IEM23/HQ/513/T**



**PROF. DR. THAREK BIN  
ABD RAHMAN**

**DIRECTOR, WIRELESS  
COMMUNICATION CENTRE**

**REGISTRATION FEES**

**IEM STUDENT MEMBER : FREE**

**IEM MEMBER : RM 15**

**NON IEM MEMBER : RM 70**

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## SPEAKER PROFILE

Dr. Tharek graduated from University of Strathclyde with Bachelor of Electrical Engineering (Hons) in Electrical Engineering, UK, MSc in Communication Engineering from University of Manchester, UK and PhD in Mobile Communication from University of Bristol, UK. Dr. Tharek plays a key role in developing 5G Malaysia initiatives. He connects academia and the industry, forming effective collaborations and strategic partnerships. His engagements with Japan's 5G Mobile Communications Promotion Forum (5G MF) and Korea's 5G Forum promote knowledge transfer and collaboration in 5G Research and Development.

## SYNOPSIS

This programme provides an understanding of the 5G technology, architecture, key requirements, capabilities, and usage as well as the innovations behind it. It also provides an understanding of Fifth Generation Technology from the perspective of mobile spectrum and standards. The talk includes the recognition of the numerous opportunities offered by 5G as well as the issues and challenges faced in the deployment of 5G in Malaysia. The objectives of the talk are

- i. To equip participants with the fundamental understanding on the key requirements, capabilities, usage scenarios of 5G and the key innovations behind it
- ii. To guide participants to identify the various opportunities offered by 5G
- iii. To provide awareness on the issues and challenges for 5G deployment