



The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223,

46720 Petaling Jaya, Selangor Darul Ehsan

Tel: 03-79684001/2 Fax: 03-79577678

E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

Technical Talk on “Biomedical Engineering, a STEM career path with a bright future”

(Organized by Electrical Engineering Technical Division IEM)

Date : 14th December 2019 (Saturday)
Time : 11.00am to 1.00pm (Refreshment will be served at 10.30am)
Venue : Auditorium Tan Sri Chin Fung Kee, Wisma IEM, PJ
Speaker : Ir. Amirah bt Abdul Rahman

BEM Approved CPD/PDP Hours: 2
Ref Number: IEM19/HQ/538/T

SYNOPSIS

Biomedical Engineering, also referred to as Bioengineering, BioMed or BME, is a multidisciplinary STEM field that combines biology and engineering, applying engineering principles and materials to medicine and healthcare. The increasing demand for Biomedical Engineers is linked to society's general shift towards everyday utilisation of machinery and technology in all aspects of life. Biomedical Engineering is a broad field with different areas of focus. A few examples of some of the subdivisions of Biomedical Engineering include: Biomedical Electronics, Biomaterials, Computational Biology, Cellular, Tissue and Genetic Engineering, Medical Imaging, Orthopaedic Bioengineering, Bionanotechnology. However, the main focus of Biomedical Engineering in Malaysia is heavily related to Medical Device. Globally, the medical devices market is forecasted to grow at an estimated CAGR of 4.5 per cent between 2018 and 2023, eventually reaching an estimated US\$409.5 billion. This talk will discuss the role of a Biomedical Engineer within the evolving medical technology landscape and what is the future of this career pathway.

FEE ANNOUNCEMENT

(Effective: 1st October 2017)

Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
 - (a) Online RM15
 - (b) Walk-In RM20

Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

- 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.

CPD Hours Validation:

Name:

Membership No.:

Signature:

SPEAKER'S BIODATA

Ir. Amirah binti Abd Rahman graduated from Multimedia University, with a Bachelor (Honours) in Electronic Engineering in 2007, followed by a Master in Engineering (Biomedical) from Universiti Malaya in 2016. Currently, she is pursuing Ph. D in Universiti Teknologi Malaysia in the area of electromagnetic fields application for medicine. She worked in Ministry of Health, Malaysia from 2010 until current and involved in hospital support services and biomedical equipment installation projects in government hospitals. She is also one of technical specifications committee for medical equipment procurement.