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Women Engineers Section
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REGISTRATION FORM

OUTSTANDING WOMEN ENGINEERS LUNCHEON

22nd July 2017 at Armada Hotel, Petaling Jaya, Selangor

No	Name(s)	M'ship No.	Grade	Fee (RM)*
Add 6 % GST				
Total Payable				

*Fees **MUST** be fully paid **A WEEK BEFORE** the commencement of the event. Bookings by fax from outstations **MUST** be forwarded with payments at least **A WEEK BEFORE** the day of the event. Seats could only be confirmed upon payment.

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "**The Institution of Engineers, Malaysia**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

Signature & Stamp

Date

Photocopies are acceptable



THE INSTITUTION OF ENGINEERS, MALAYSIA

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IEM Homepage: <http://www.myiem.org.my>

OUTSTANDING WOMEN ENGINEERS LUNCHEON

Organized By: Women Engineers Section, IEM

Date : 22nd July 2017 (Saturday)

Venue : Armada Hotel, Petaling Jaya, Selangor

Time : 8.30 am – 1:30 pm

Welcome Tea + Tea-Break + Buffet Lunch

BEM Approved CPD Hours : 4 hours

Ref. No: IEM17/HQ/266/L

Registration Fee (Subject to 6% GST)

	Online	Normal
IEM Student Members	: RM 50.00	RM 60.00
IEM Graduate Members	: RM 50.00	RM 60.00
IEM Corporate Members	: RM 70.00	RM 80.00
Non IEM Members	: RM 140.00	RM 150.00

Cancellation Policy

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

Synopsis 1 - Malaysia Iconic Landmarks : Engineers Made Them Reality - Ir. Sharifah Azlina will share her experience and challenges as part of the team behind the design of several iconic infrastructure built around the nation. She will deliver on the role of engineers from the various scope and procurement approaches, emphasizing on the demands and challenges arising and obstacles overcome. She will also impart her experience in lending her expertise in some of the prominent projects in the international landscape.

Synopsis 2 - Sewage Treatment Works - Sewage treatment works involves the control and mitigation of pollution loading originated from wastewater discharges from the domestic activities in protecting water resources, environment and public health. The rapid development and population growth increase the need to have a proper sewage treatment, and technological growth in sewage treatment works plays an important role for the treatment improvement and effectiveness. This presentation will focus on the application and challenges in adopting new technology of MBR system for sewage treatment work in Malaysia.

Synopsis 3 - Flood Mitigation Work - Flood mitigation involves the management and control of flood water. This presentation will focus on the flood mitigation work and challenges during construction of the On-Site Detention Pond for Sg Rasau Toll Plaza.

Synopsis 4 - Digital Globalisation for Engineers - Digital transformation era is sweeping the globe, moving fast and furious. Engineers with the right mix of skills are needed to take the development forward. The biggest impact of IoT is having that instant access to data, a new era of connected things and mobile technology. IoT does not create the need a lot of new engineering disciplinary areas but brings together a number of disciplines that currently exist under the one umbrella. What engineers can do to equip themselves to take maximum advantage of the IoT? While there are many technical challenges that need to be resolved to take full advantage of the potential of these technologies?

Synopsis 5 - Consideration of Acoustics Aspects in Construction Works - Quality of life and health of construction operators and workers are significantly influenced by the acoustic environment problems in construction sites. The effects are related not only to both physical and psychological health but also chronic stress, which could lead to several health problems, including heart problems and diabetes. She will discuss the acoustic environment due to construction activities, the risk and prevalence of hearing impairment among construction workers, the consideration of the acoustic environment using new predictive tool based on stochastic modelling.

Synopsis 6 - Kinect Sports Games for Fundamental Engineering Concepts Understanding and Learning Motivation - Virtual reality (VR) is an artificial environment created using software to simulate the real world. The impact of virtual reality games available in the market on Malaysian students' education is being explored. Kinect sports games effect on students' understanding of a fundamental engineering concept and learning motivation are investigated. Although the technology is available, there are still many challenges in VR application and implementation in education, which will be discussed.

Synopsis 7 - In the last decade solar energy has been identified as one of the main alternative sources of energy with great potential to satisfy the world's energy needs. Unfortunately, the high capital cost of photovoltaic (PV) systems has prevented the widespread adoption of this kind of technology in developing countries, where up to 36.5% of the cost is due to the PV material. To address this issue, one of the solutions suggested by several researchers is to incorporate optical concentrators in the panel design. This allow the system to utilize only a fraction of the PV material but at the same time produce similar electrical output from a non-concentrating system. This talk will present the current development of solar concentrator as an alternative to the traditional solar PV panel

Speakers Biodata (1)

Ir. Sharifah Azlina Raja Kamal, a Professional Engineer with Practicing Certificate with BEM has over 27 years of experience as a Civil Engineer. She is the Chief Operating Officer of HSS Engineering Sdn. Bhd. and BIM Global Ventures Sdn. Bhd. A Fellow of the Institution of Engineers, Malaysia (FIEM), a member of the Chartered Institution of Highways and Transportation, UK (MCIHT), a member of the Project Management Institute, USA, she is also a council member of the Building Smart Malaysia, driving the BIM agenda in the local engineering and construction landscape.

Programme

08:30 - 09:00	Registration & Welcome Tea
09:00 - 09:10	Introduction By Ir. Hajah Rose
09:10 - 09:40	Ir. Sharifah Azlina Bt Raja Kamal Pasmah - Malaysia Iconic Landmarks : Engineers Made Them Reality
09:40 - 10:00	Ir. Jama'iatul Lailah -Sewage Treatment Works
10:00 - 10:20	Ir. Suhana Abdul Majid - Flood Mitigation Work
10:20 - 10:40	Ir. Mah Siew Kien - Digital Globalisation for Engineers
10:40 - 11:00	Tea Break
11:00 - 11:30	Assoc. Prof Dr Zaiton Haron - Consideration of Acoustics Aspects in Construction Works
11:30 - 11:50	Dr. Habibah @ Norehan Haron - Kinect Sports Games for Fundamental Engineering Concepts Understanding and Learning Motivation
12:10 - 12:40	Dr Nurul Aini Bani -Solar Concentrators: Towards Achieving a Low Cost Highly Efficient Solar PV System
12:40 - 13:00	Prize Giving Ceremony for Scarf Competition
13:00 - 13:30	Lunch

Continue;

Ir. Jama'iatul Lailah – 2- She is a qualified Professional Engineer with Practicing Certificate in Chemical Engineering with over 14 years of working experience in the water and wastewater industry. She is currently a Director of JIL Engineering Consult Sdn. Bhd.. Prior to that, she had been with Indah Water Sdn. Bhd., a national sewerage company and Suruhanjaya Perkhidmatan Air Negara (SPAN).

Ir Suhana Abdul Majid – 3- Ir Suhana Abdul Majid holds a Degree in Civil Engineering from University of Glasgow Scotland. Her professional career over the last 28 years covers various fields of C&S Engineering, especially storm water planning and management.

Ir. Mah Siew Kien – 4 - A Professional Engineer with Board of Engineers (BEM) currently serves as Honorary Secretary in IEM Women Engineers Section and sub-committee of IEM Membership Drive and Promotional Board. She holds a Master in Electrical, Electronic & Systems Engineering from Universiti Kebangsaan Malaysia. She is specifically interested in the Internet of Things, microelectronics and nanotechnology. She believes engineers in this new digital era are creative and cool.

Dr. Habibah @ Norehan Haron – 5- A committee member for IEM WE Section, and currently a senior lecturer at UTM Razak School of Engineering and Advanced Technology, Universiti Teknologi Malaysia, Kuala Lumpur. Graduated with BEng (Hons.) in Manufacturing Engineering (UK) and MSc in Manufacturing Systems Engineering (UK), she is a pioneer holder of PhD. in Engineering Education in Malaysia.

Zaiton Haron – 6- Associate Professor at the Department of Structures and Materials, Faculty of Civil Engineering, UTM. She is actively involved in research related to acoustic environment problems. Her research related to construction site noise modelling using the stochastic approaches has won several gold awards, both locally and abroad, including ICAN, ITEX, MTE and MRCIE.

Dr Nurul Aini Bani – 7- She received her M.Eng degree in Electrical Engineering from University of Southampton, UK in 2006 where she received two academic awards for outstanding academic performance. She received her PhD degree in Electrical Engineering from Universiti Teknologi Malaysia (UTM). Her research interests include polymeric insulation material, space charge measurement, high voltage cable, renewable energy, rural technology and rehabilitation engineering. Her current work concentrates on developing low cost solar PV system and building up a system for monitoring health risk status. She has authored and co-authored several papers in various technical and high impact factor journals as well as conference proceedings. She is now a lecturer in the Department of Engineering, UTM Razak School of Engineering and Advanced Technology (RSEAT).