

**IEM – WE Session 2015/2016**

by Ir. Assoc. Prof. Dr Leong Wai Yie

Ir. Assoc. Prof. Dr Leong Wai Yie is currently the Chairman of Women Engineers Section. She is involving in biomedical signal processing analysis and wireless communications.

The 2nd Annual General Meeting and Annual Gathering for IEM-WE was successfully held recently. Both seniors and young women engineers graced the occasion with joys and appreciation.

From the list of participants, it was observed that they came from many IEM-WE branches across the country: Perak; Penang; Sabah; Negeri Sembilan; Pahang; Southern Branch; and Miri.

Participants shared the experienced they had in past IEM-WE events. Some of the important ones were: the Women Engineer (WE) Summit 2015; Asia & Pacific Nation Network (APNN) Meeting in Mongolia.

Many WE members expressed their interest to serve as committee members after the sharing.



IEM-WE Session 2015/2016

2015 Activities	
8 MAR 15	Temporary Shelter Programme for Post Flood Disaster, Kuala Krai, Kelantan. (Ir. Suhana)
14 MAR 15	Talk at Johor Matriculation College, Tangkak, Johor. (Speaker: Engr. Masalah binti Bandi)
25 MAR 15	Talk at Nottingham University on Girls in Engineering: Challenges in the Engineering ≠ Femininity Equation (Speaker: Ir Suhana, Ir Sharifah Azlina)
13 APR 15	Talk for Career Day in SMK Puncak Alam (Speaker: Ir. Sharifah Azlina)
16 MAY 15	WE IEM HQ 1-Day Brainstorming (Speaker: Ir Khalidah)
19-20 MAY 15	The 3rd Annual Women in Engineering Leadership Forum Asia 2015
21 MAY 15	1-Day of Mind Mapping Workshop (Speaker: Mr. Jeyaraman)
28 MAY 15	Talk on Re-Engineering Our 'Limiting Beliefs', Bringing NLP Into The Matrix Of Our Mind (Speaker: Ir Khalidah)
4 JUN 15	SSM-ONE 2015 Program with YB Dato ' Sri Rohani Abdul Karim at the Curve Damansara (Ir. Raftah, Ir. Suhana & Datin Ir. Nor Asiah)
25 –27 JUN 15	Asia & Pacific Nation Network (APNN) Meeting, International Conference for Women Engineers and Scientists (ICWES), Mongolia (Ir. Leong Wai Yie)
20 AUG 15	1-Day Course On 'Introduction To Building Information Modelling (BIM) For Professionals' (Speaker: Ir Sharifah Azlina)
29 AUG 15	IEM, Women Engineers (WE) Sabah Branch - AGM 2015/2017
12 SEP 15	Post AGM Talk on Engineering Hazard and Risk Assessment for Sustainable Highlands Development : Case Studies (Speaker: Professor Ir. Dr. Zainab Mohamed)
17-19 OCT 15	2015 Young Women Scientists Camp in Daejeon, the science city of Korea (Iylia Binti Idris, USM; Jamilah binti Abd. Rahim, UiTM)
21–23 OCT 15	INWES Regional Conference Entebbe, Uganda: Women In Engineering discussion (Ir. Raftah)
23 NOV 15	Penang 2nd Bridge Site Visit for WE-AFEO
24 NOV 15	IEM WE Branch Meeting and Brainstorming
24-25 NOV 15	WEAFEO Board Meeting, CAFEO 33
25 NOV 15	WEAFEO Forum: "Challenges Faced by Women Leaders in Science, Technology, Engineering and Mathematics (STEM) Globally"
5 DEC 15	Attended Lean in Summit Malaysia 2015, Manhattan Ballroom, Berjaya Hotel.
6 DEC 15	Orang Asli (Indigenous) Settlement Charity Program, Kg Org Asli Ulu Kuang, Jln Sg Plong, Rawang

Statistics: IEM Women Engineers Registration (as of FEB 2016)							
Year	Fellow	Members	Graduate	Affiliate	Incorporated Member	Associate Members	Students
2016 (FEB)	12	624	1721	1	5	-	7628
2015	12	594	2272	2	2	1	6677
2014	12	589	2202	1	3	1	2582
2013	11	538	1611	1	2	1	2973
Total Engineers Registered with IEM (as of FEB 2016) : 40,057							
Total Women Engineers registered with IEM (as of FEB 2016) : 9991							

Invited guest speaker at the AGM

The invited guest speaker Professor Ir. Dr. Zainab Mohamed (the Assistant Vice Chancellor of UiTM) was involved in many studies related to soil and rock engineering in tropical environment worth more than RM4 million of research grant. She shared by way of discussing case studies with participants her experience on engineering hazards and risk assessment for sustainable highland developments.

Prof Zainab explained that Malaysia is no exception from experiencing major geo-hazards such as landslides, earthquakes, rockfall, etc. Such geo-disasters had caused major economic losses and cost more than hundreds of life. “If the authorities concerned continue to place little emphasis on preventive geo-disaster measures, more losses are expected,” said Prof Zainab.

By and large, geo-disasters are avoidable if sufficient effort is given to quantify the uncertainties into engineering designs. One of the sustainable approaches is by carrying out geotechnical risk assessment where it incorporates both hazards and their consequences.

Relatively, the geo-hazards and geo-risk involve prior consideration of lives and economic loss. Prof Zainab added: “It is crucial that the respective authorities, agencies, practitioners and stakeholders undertake a more sustainable approach as solution to geo-disaster mitigation.”

Office Bearers Session 2015/2016

CHAIRMAN	Ir. Assoc Prof. Leong Wai Yie
VICE CHAIRPERSON I	Ir. Suhana bte Abdul Majid
VICE CHAIRPERSON II	Ir. Datin Nor Asiah binti Othman
SECRETARY	Ir. Mah Siew Kien
TREASURER	Ir. Norhadziana binti Jamal
COMMITTEE MEMBERS and Observers	
Ir. Jama'iatul –Lailah binti Mohd Jais Engr. Dr. Habibah Haron Engr. Prashanthini Sundaren	
Ir. Hajah Rosnelawati Haji Ismail	
Ir. Lim Lea Pieng Engr. Michelle Lau Chui Chui	
Engr. Masalah binti Bandi Ir. Athirah bt Mustamir Dt. Bandharo	
Immediate Past Chairman: Ir. Raftah Mahfar Appointed Corporate Members: Ir. Sharifah Azlina Prof. Ir. Dr. Zainab Mohamed (825 words)	