



The Institution of Engineers, Malaysia

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Pre AGM Talk on :

Inner Speech for Personal Development & Engineering In The New Millenium: Breakthrough & Challenges

Organized by Women Engineers Sections, IEM

BEM Approved CPD/PDP Hours: 2 Ref : IEM/HQ/384/T

Date : 24 September 2016

Time : 9.00 am – 11.00 am

Venue : Tan Sri Prof. Chin Fung Kee Auditorium 3rd Floor, Wisma IEM, PJ

Speaker : Dr. Habibah @ Norehan HARON & Ir. Mah Siew Kien

SYNOPSIS - INNER SPEECH FOR PERSONAL DEVELOPMENT

Beauty lies in the eyes of the beholder but it comes from within. We are a component of three important elements – the brain (cognitive), the heart (affective), and the action (psychomotor). Based on the Laws of Learning, concepts from Khalifah Method, social cognitive theory and motivation theory, a Self-efficacy Learning Model is developed to help improve self-efficacy belief. There are three main components in the Self-efficacy Learning Model, of which the use of inner speech (affective) plays an important role. The use of inner speech affects one's self-efficacy belief. With improved self-efficacy belief, a positive impact on his/her mind (cognitive ability) will lead the person to have the capabilities to organize and execute the courses of action required to manage prospective situations (psychomotor).

Performance accomplishments: The experience of mastery influences your perspective on your abilities.

Vicarious experience: Observing someone else perform and people who are similar to yourself succeed will increase your beliefs that you can master a similar activity

Verbal persuasion: When other people encourage and convince you to perform a task -Constructive feedback - may help overcome self-doubt

Physiological states: Moods, emotions, physical reactions, and stress levels may influence how you feel about your personal abilities. How you interpret, evaluate and control emotional states is important for developing self-efficacy beliefs.

Inner speech: What we say to ourselves, guided with references, will move us forward.

SYNOPSIS - ENGINEERING IN THE NEW MILLENNIUM: BREAKTHROUGH & CHALLENGES

In today's landscape of continually evolving technologies and coping with rapid changes in our society, engineering must adapt to remain relevant. The talk discuss on major themes worth striving for in order to continuously meet society's challenges and for engineering to remain as a main driving force in improving mankind. Potential technological changes pose challenges to the traditional engineering disciplines and skills. Today's breakthrough technologies often are made at the interfaces of traditional disciplines, other engineering disciplines, information technology and modern sciences. The talk will look at the development of information explosion, information and communication technology, biotechnology, nanotechnology, material science, photonics and logistics on shaping the future of engineering where creativity, adaptability and diversity will be the watchwords.

BIODATA OF SPEAKER



Dr. Habibah @ Norehan Haron is a committee member for IEM WE Section. She is currently a senior lecturer and Master Project Coordinator 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. A project leader for four on-going researches which varies from T&L, motivation and education models for STEM, TVET and Professional Education, she is passionate about the environmental issues and contributing back to the society. Under the MERCY Malaysia banner she had led a team to Cambodia for a flood relief mission in setting-up a clinic and more recently, under the UTM Razak School banner developed a Fun Learning Toy Library for STEM learning at a rural school in Kelantan, badly affected by the flood.



Ir. Mah Siew Kien, a Professional Engineer with Practicing Certificate with Board of Engineers (BEM), Malaysia has experience working in several fields; including academic, manufacturing, product engineering, project management and IT consulting. She has been involved in various development and project management activities in the areas of New Product Introduction and technology transfers in the Electronic Manufacturing Services (EMS) sector and also asset integrity review activities with an Oil and Gas company during the course of her career.

Chairman
Women Engineers Section
Ir. Assoc Prof. Dr. Leong Wai Yie

ANNOUNCEMENTS TO NOTE

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- **IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature: