



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## TALK ON "MASTERING PHYSICAL LAWS: REMINDERS TO ENGINEERS"

(Organised by Oil, Gas & Mining Technical Division, IEM)

Date : 9<sup>th</sup> August 2014 (Saturday)  
Time : 9.00 am to 11.00 am (Refreshments will be served at 8.00 am)  
Venue : TUS and C&S Lecture Rooms, 2<sup>nd</sup> Floor, Wisma IEM, Petaling Jaya  
Speaker : Ir. Al-Khairi Mohd Daud

BEM Approved  
CPD/PDP HOURS: 2 hours  
Ref No: IEM14/HQ/229/T

### SYNOPSIS

"A **physical law** or **scientific law**, according to the Oxford English dictionary, "is a theoretical principle deduced from particular facts, applicable to a defined group or class of phenomena, and expressible by the statement that a particular phenomenon always occurs if certain conditions be present." Wikipedia.

So if the physical laws are always **true** than we can **repeat** success every time when the success conditions are presents. Similarly we can avert failures or even predict poor consequences whenever the conditions are met.

As long as we live in this earth the physical laws will always govern us. The questions are:

Are you aware of the physical laws that govern your life?

How can you benefits from the laws?

To be successful, you must not beat the physical laws. You must use the laws to your advantage. The physical laws are always present. We just don't realize how to get the laws working to our favours.

**To fly, you don't ignore gravity. You use the understanding of gravity to defy falling down.**

This talk will expand on the physical laws in experiential manner for you to uncover your hidden potential and what has hindered you from success. The physical laws can be used in all aspect of your life, management, business, relationship.

This talk will not only change the way you think about physics. It will make you be part of the physical world.

### BIODATA OF SPEAKER

Ir. Al-Khairi has 20 years of experience in research, cement, oil and gas, petrochemical, oleo chemicals industries and health care facilities. He has gained various experiences in design, construction, testing and commissioning, operate and maintain facilities and plants from various multinational companies both abroad and locally. He has served in various roles as engineers and manager to the plant and facilities.

With such a diverse industrial background, Ir. Al-Khairi has formed Faqeh Management, an asset and reliability company to improve the equipment reliability and maintenance standard in the industry. The main function of the company is to provide training and consultancy work for the industry. Among the industry that he has provided services are hospital and health care, airports, facilities management organization, printing and palm oil mills.

Currently Ir. Al-Khairi is the Committee members of the Oil, Gas and Mining Technical Division and a member of Building Services for the Institution of Engineers Malaysia (IEM). He is a principle interviewer to qualifying engineers for professional interviews as well as a committee member for engineer's log book to ensure mechanical engineers registered with IEM has the correct training to qualify as professional engineers. Ir. Al-Khairi has written articles and delivered numerous talks on maintenance and reliability to IEM fraternity in Maintenance, Healthcare and Green Technology Seminar. Ir. Al-Khairi is also an associate member of Institute of Asset Management UK, Biomedical Engineering Society of Malaysia and Malaysian Society for Quality in Health (MSQH). He is a surveyor for MSQH checking on the facilities design and maintenance as well as safety and environment aspects of hospitals in Malaysia.

Ir. Al-Khairi is a Registered Electrical Energy Manager and has been appointed as the country expert and certified trainer to promote Energy Management Gold Standard under the Asean Energy Management Accreditation Scheme (AEMAS) for the country supporting Greentech Malaysia. To support the energy management practice, Ir Al-Khairi is a member of Malaysian Energy Professional Association (MEPA). He is a part of committee member to develop IEM position paper for alternative energy with all the country experts in the energy production field. Ir Al-Khairi is keen to impart his knowledge to the regions. He is also passionate on energy efficiency and management practice.

**Ir. Ahmad Rafidi Mohayiddin**  
Chairman  
Oil, Gas & Mining Technical Division, IEM

### ANNOUNCEMENTS TO NOTE:

1. Talk is for IEM members only (pre-registration is NOT required).
2. Telephone and/or fax reservation will NOT be entertained.
3. Non members may also attend the talk and will be charged a registration fee of **RM 50** and an administrative fee of **RM 10**.
4. For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer to [www.myiem.org.my/content/memorandum\\_of\\_understanding-469.aspx](http://www.myiem.org.my/content/memorandum_of_understanding-469.aspx).
5. Limited seats are available on a "first come first served" basis (maximum 110 participants).
6. IEM members are required to produce your membership cards for confirmation of attendance (CPD purpose).
7. 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 RM20.00**

### FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants **RM10.00** administrative fee for talks organized by IEM.
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted.

Your understanding is greatly appreciated.

### CPD HOURS CONFIRMATION

Name: .....

Membership No: .....

Signature: .....