



The Institution of Engineers, Malaysia

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Pre AGM Talk On "Nuclear Education & Training and Construction of Nuclear Power Plants- Some Key Challenges and its impact on the Schedule & Cost of Construction"

Organized by Consulting Engineers Special Interest Group (CESIG)

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/273/T

Date : 16 July 2016 (Saturday)
Time : 9.00 a.m – 11.00am (Refreshment will be served 8.30am)
Venue : Auditorium CFK, 3rd Floor, Wisma IEM
Speaker : Sheriffah Noor Khamseah Al-Idid binti Dato' Syed Ahmad Idid

SYNOPSIS

Presently 435 nuclear power reactors in operation in 30 countries are delivering cost competitive electricity to consumers, creating significant job, investment and business opportunities, supporting enterprises, contributing significantly to these nations economic growth. Several key factors including diversifying energy sources for enhancing energy security and initiatives to reduce carbon emission, amongst others have put nuclear back on the political, business and social agenda of many nations contributing to the 68 new nuclear power plants being currently constructed. This presentation aims to provide an overview of Nuclear Education and Training highlighting competencies needed to support a Nuclear Power Programme (NPP) as well as Construction of Nuclear Power Plants- Some Challenges and its impact on the schedule and cost of construction.

BIODATA OF SPEAKER

Ms Sheriffah Noor Khamseah Al-Idid, received B.Sc. (Hons) and Master's degree majoring in Physics from Imperial College, University of London, United Kingdom in 1983 and 1984 respectively. She is an Innovation and Nuclear Advocate. Ms Sheriffah has served as Special Officer to the Science Advisor to Malaysia's 4th Prime Minister (Tun Mahathir bin Mohamad) and was instrumental in supporting the Science Advisor (Tan Sri Omar Abdul Rahman) in developing strategies and plans to promote high-tech businesses and high-tech financing.

Nuclear Power

Ms Sheriffah is presently leading initiatives on Nuclear Supply Chain (NSC) and contributes significantly to Nuclear Education and Training as well as Financing Nuclear Power.

Nuclear Supply Chain

Ms Sheriffah had proposed to PEMANDU, the team in the Prime Minister's Department, monitoring Malaysia's Economic Transformation Programme (ETP) regarding the strategic need for Malaysian industries to be updated regarding (business & investment) opportunities in the Nuclear Supply Chain. It is within this context that Ms Sheriffah regularly meets and presents to Industry and Professional Associations regarding Opportunities in the Nuclear Supply Chain including for the Construction, Manufacturing and Services Sector and actively connects international nuclear suppliers with these industry and professional associations.

Nuclear Education and Training

Ms Sheriffah's commitment for promoting Nuclear Education and Training is widely recognized. She has been invited by the International Atomic Energy Agency (IAEA), based in Vienna as Consultant to advise the Agency on Cooperation in Nuclear HRD between countries advanced in Nuclear Power Programme (NPP) and countries embarking in NPP.

Financing Nuclear Power

In view of the significance of financing nuclear power, Ms Sheriffah has been invited to present a number of papers on Financing Nuclear Power at International Nuclear Power Conferences. Additionally her paper of "Economics and Financing of Nuclear Power" was commended by the IAEA and she was encouraged by the Agency to continue her work in this area to support and complement the Agency's initiatives in this field.

Financing Innovation

Ms Sheriffah had advocated for the introduction of Financing Innovation in Malaysia aimed at supporting high-tech businesses, in recognition that traditional financing mechanisms which required collaterals were not suitable for supporting high-tech businesses. Ms Sheriffah had served as Chairman for the Report on Enhancing Venture Capital Financing in Malaysia and was Strategist and author for the Report on Introducing and promoting Business Angel Financing in Malaysia. Several Recommendations from these two reports were accepted and incorporated by Bank Negara Malaysia in their 10-Year Financial Sector Master Plan.

Technological Innovation

In recognition of the importance and impact of Technological Innovation on business, academia and nations, Ms Sheriffah has written a book on "Technological Innovation" which was launched by YAB Tun Abdullah Hj Ahmad Badawi, Malaysia's 5th Premier at the 10th World Islamic Economic Forum (10th WIEF) in Dubai in October 2014.

Ir Yim Hon Wa
Chairman
Consulting Engineers Special Interest Group, IEM

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 be charged a registration fee of **RM50** and an administrative fee of **RM15**.
- 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 www.myiem.org.my/content/memorandum_of_understanding-469.aspx.
- Limited seats are available on a "first come first served" basis (maximum 110 participants).
- IEM members are required to produce your 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.

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- Kindly be informed that IEM will be charging participants **RM15** as administrative fee for talks organized by IEM.
- The fee would be used to cover 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

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