



# The Institution of Engineers, Malaysia

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## Talk On

### “Postgraduate Opportunity in Renewable Energy”

Organized by Engineering Education Technical Division, IEM  
BEM Approved CPD/PDP Hours: 2 Ref No: IEM14/HQ/462/T

Date : 7 February 2015 (Saturday)  
Time : 10.30a.m – 12.30p.m (*Refreshment will be served at 10.00a.m*)  
Venue : C&s and TUS Room, 2<sup>nd</sup> Floor, Wisma IEM  
Speaker: Prof. Dr. Chong Kong Keong

#### SYNOPSIS

Renewable energy has become increasingly important for reducing green house gas emission that causes climate changes in the world. Highly dependant on the fossil fuel for power generation and transportation has not only caused air pollution and climate changes, but it also raises an issue of sustainability. There are many types of renewable energy source that can be harnessed based on geographical location and local climate including solar energy, wind energy, hydroelectric energy, ocean or wave energy, bio-electric energy etc. In addition to brief introduction to all current technologies in harnessing renewable energy, the postgraduate research opportunity in renewable energy in Universiti Tunku Abdul Rahman will be highlighted.

#### BIODATA OF SPEAKER

Prof. Dr. Chong Kok-Keong received B.Sc. (Hons) first class degree majoring in Physics from University of Malaya in 1998 and Ph.D. (Optical Engineering) degree from Universiti Teknologi Malaysia in 2002. He is Professor in Universiti Tunku Abdul Rahman teaching the subjects of Research Methods in Science & Engineering for Master and Ph.D. programmes, Renewable Energy, Solar Cell Technology and Optoelectronic. Besides he is also holding a post as Head of Programmes for Master of Engineering Science and Ph.D. in engineering. For research achievement, he has been working in the field of solar energy for about 15 years and his research interest including Concentrating Solar Power, High Concentrator Photovoltaic System, Solar Cell Technology, Photovoltaic System, Non-Imaging Focusing Technology and Solar Thermal System. To date, he has published more than 51 journal and conference papers with h-index = 10 (scopus) & total citations of 361 as well as four patents were filed in Malaysia, China and USA. Up to today, he has been principal investigator and project leader for six external and two internal research grants with total amount of RM 3.26 Million, including the largest research grant with total amount of RM 1.988 Million from Ministry of Energy, Water and Green Technology. For the recognition to his work, he has been honored to receive JCI Ten Young Outstanding Malaysian (TOYM) 2013 Award, Associate Fellow of ASEAN Academy of Engineering & Technology 2013, Global Young Academy 2014, Young Affiliate Fellow for The World Academy of Sciences (TWAS) 2011 and Young Science Network-Academy of Science Malaysia 2012 as well as UTAR Research Excellence Award 2010 and UTAR Innovation Excellence Award 2012. For the community services, he is appointed as member of Working Group on Solar Photovoltaic System (WG/E/8-1), SIRIM, Accreditation Committee Member of Malaysian Qualification Agency (MQA), and reviewers in world renowned journals such as Progress in Photovoltaic, Solar Energy, Energy Conversion and Management, Journal of Solar Energy Engineering, Optics Express, Applied Optics, Sensors etc. For editorial services, he is member of editorial board in 11 international journals including The Scientific World Journal –ISI indexed journal (Hindawi Publishing Corporation), Frontiers in Energy Research: Solar Energy (Frontiers: a Swiss-based open access publisher part of the Nature Publishing Group family) etc. Rosdiadee Nordin received his Bachelor Degree in Electrical, Electronics and System Engineering from Universiti Kebangsaan Malaysia in 2001. After completed his five (5) years working experience with a telecommunication company, he decided to pursue Ph.D. degree in Wireless Engineering at the University of Bristol, United Kingdom and completed his study in 2011. He is currently a senior lecturer in the Department of Electrical, Electronic and Systems Engineering at Universiti Kebangsaan Malaysia, a corporate member of IEM, a professional engineer in Malaysia and senior member of IEEE.

**Ir Prof. Dr. Vinesh Thiruchelvam**  
**Chairman**  
**Engineering Education Technical Division, 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](http://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.**

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

- 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

Name: .....

Membership No: .....

Signature: .....