



# IEM

The Institution of Engineers, Malaysia

## WEBINAR TALK ON SOLAR CAMPUS FOR SUSTAINABLE ENVIRONMENT

Organised by:  
Engineering Education Technical Division, IEM  
BEM Approved CPD: 2  
Ref no: IEM23/HQ/231/T (w)



*SPEAKER:*

**Assoc. Prof. Ir. Dr. NOFRI YENITA BINTI DAHLAN**



*MODERATOR:*

**Assoc. Prof. Ir. Dr. BALJIT SINGH A/L  
BHATHAL SINGH**



**27 JUNE 2023, TUESDAY**



**5.00PM - 7.00PM**

**REGISTRATION FEE :**

**IEM STUDENT : FOC  
IEM MEMBERS: RM15  
NON IEM MEMBERS: RM70**

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# SYNOPSIS

Climate change and energy security are the key drivers for energy transition worldwide. With the global squeeze on energy supply due to Russia's full-scale invasion of Ukraine and the increase in demand for fuel as many countries have just begun their economic recovery after the Covid-19 pandemic, it is anticipated that the world will continue to see high energy prices in 2023. As the impact of burning fossil fuels on our environment and public health as well as rising in energy demand grow into a global concern, renewable energy plays imperative roles in the transformation. Coupled with low carbon technologies that are now becoming more efficient and economical, many electricity consumers worldwide decided to embrace small-scale renewable energy in their facilities through demand response to enhance the traditional energy system. This talk will highlight initiatives by an educational institution in developing solar campus for sustainable environment.

## SPEAKER'S PROFILE

### Education:

1. PhD in Electrical and Electronic Engineering, 2011, The University of Manchester, United Kingdom
2. MSc in Electrical and Electronic Engineering (Power System), 2003, University of Manchester Institute of Science and Technology (UMIST), United Kingdom
3. BSc (Hons) in Electrical Power Engineering, 2002, Universiti Tenaga Nasional (UNITEN), Malaysia

### Professional Qualification

1. Certified Measurement and Verification Professional (CMVP), no: 2866, The Association of Energy Engineers (AEE), U.S.
2. Registered Electrical Energy Manager (REEM), no: PTE-0137-2016, Energy Commission Malaysia
3. Professional Engineer, no: P119015, Board of Engineers Malaysia

### Working Experience/Position

1. Director of Solar Research Institute (SRI), UiTM, Sep 2021 – Present
2. Academic Staff of School of Electrical Engineering, College of Engineering, UiTM, July 2005 - Present
3. Deputy Director for Solar Research Institute (SRI), UiTM, Oct 2019 – August 2021
4. Head of Department for Center for Electrical Power Engineering Studies (CEPES), Faculty of Electrical Engineering, UiTM Shah Alam, Jan 2018 – Sep 2019
5. Liason Officer of Faculty of Electrical Engineering for Office of International Affairs, Universiti Teknologi MARA (UiTM), Shah Alam, 16 Sep 2016 – 18 Sep 2018
6. Fellow of ASEAN-U.S. Science and Technology Fellowship Program (Energy Security), May 2015 – April 2016
7. Fellow of Advanced Computing and Communication, Community of Research Center (CORE), Universiti Teknologi MARA (UiTM), Shah Alam, Dec 2014 – April 2015
8. Coordinator of Power System Planning and Operation (PoSPO) Research Interest Group, Faculty of Electrical Engineering, UiTM Shah Alam, 2014 to 2018
9. Electronic Engineer, Research and Development Department, Motorola Technology Sdn Berhad, Bayan Lepas Pulau Pinang, Malaysia, 2003-2005
10. Electrical Engineer, Tenaga Nasional Berhad, Bangsar Kuala Lumpur, Malaysia, 2002

### Professional Member/Committee

1. Board of Engineers Malaysia (BEM), no: 46444A (ELECTRICAL Engineering)
2. Member of Institution of Engineers Malaysia (IEM), no: C75278 (ELECTRICAL Engineering)
3. Malaysian Energy Professionals Association (MEPA), no: 341, Main committee member 2014-2017
4. Associate Member of Council of University Professors (MPN), no: MPN12615
5. Association Energy Engineer (AEE), no: 100738