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# 1-Day Seminar On “Electrical Power Supply Application, Green Energy & Testing Compliance”

**Organiser:**

**The Institution of Engineers, Malaysia (Southern Branch)**

BEM APPROVED CPD HOURS: 7.0 IEM22/SB/460/S	CIDB APPROVED CCD HOURS: APPLYING	SURUHANJAYA TENAGA CDP HOURS: APPLYING
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**Date:**

**3<sup>rd</sup> December 2022 (Saturday)**

**Venue: Grand Paragon Hotel, Johor Bahru**

**EARLY BIRD FOR IEM MEMBERS  
BEFORE 25<sup>TH</sup> NOVEMBER 2022  
RM 230.00 NETT**

Grade	On-line
IEM Corporate Members & IEM Graduate Members	RM 280.00
IEM Student Members	RM 25.00
Non-IEM Members	RM 450.00

**Closing Date: 1 December 2022 (Thursday)**

**SYNOPSIS**

A brief explanation of our country's Power Supply and share the online Application for Power Supply & Upgrade, Horizontal Directional Drilling & Application to the Local Authorities, and TNB Meter Application. A session on the importance of HV Testing, Compliance, and Protection Calibration followed by sharing on Green Energy, current research, trends, and challenges.

The seminar covers power application, design, protection relay testing, transformer maintenance & green energy compliance. The course is very useful to Mechanical & Electrical Engineers from the Industries, Contractors, Consultants, Electrical Engineers & Business Owners.

**PROGRAMME**

8.30 a.m. – 9.00 a.m.	Registration
9.00 a.m. – 9.10 a.m.	Welcome Speech by IEM (SB)
9.10 a.m. – 10.45 a.m.	<b>Session 1 by Ir. Desmond Ng Chok Chuang</b> – Power Protection Systems – Transformer Testing & Maintenance
10.45 a.m. – 11.00 a.m.	Morning Coffee Break
11.00 a.m. – 1.00 p.m.	<b>Session 2: Solar Power</b> – ESG & Solar Photovoltaic (PV) Technology by Mr. Murali Harpalan – Rooftop Solar by Ir. Ts. Nor Ziha Binti Zainol Abidin
1.00 p.m. – 2.00 p.m.	Lunch Break
2.00 p.m. – 3.15 p.m.	<b>Session 3: Supply Application by Mr. Abdul Ghafar Bin Othman</b> – MyTNB Apps & Portal – Online Power Supply Application
3.15 p.m. – 3.30 p.m.	Afternoon Coffee Break
3.30 p.m. – 5.00 p.m.	<b>Session 4: Alternative Energy by Assoc. Prof. Ts. Dr. Norzanah Binti Rosmin</b>
5.00 p.m. – 5.30 p.m.	Panel Session
5.30 p.m.	End of Seminar

## SPEAKERS BIODATA



**Ir. Desmond Ng Chok Chuang** is a Professional Engineer, Electrical Services Engineer as well as the principal for a testing company in Johor Bahru Safe Consultant. He majors in electrical consulting, supervising, testing, commissioning and maintenance for electrical installations. He obtained his degree in Bachelor of Electrical & Electronic Engineering (Honours) in 1996 from Cardiff University, UK. In 1999, Ir. Desmond obtained his Masters in Building Services Engineering from Brunel University, Uxbridge, UK.

Commanding a wide range of working experience from being an Electrical Superintendent in PUB Johor Waterworks, Singapore in generation, transformation, distribution, utilisation including operation and maintenance as well as providing in-house training of electricity in EHV, HV and LV systems. Ir. Desmond was also a Regional Electrical Engineer for Sime Darby Plantations in Southern Malaysia in which he managed all electrical installations, viz palm oil mills, rubber factories, granite quarries and estate installations. Ir. Desmond is also a registered engineer with the Board of Engineers Malaysia (BEM) as a Professional Engineer and an Electrical Services Engineer with Suruhanjaya Tenaga (ST).



**Mr. Abdul Ghafar Bin Othman** is a member of the Digital Delivery, Digital Strategic & Data Analytics, and Retail Division of Tenaga Nasional Berhad (TNB). Having a wide range of experience in the digital field, Mr. Abdul Ghafar has over 25 years of experience ranging from the development of the Customer Information Billing System (CIBS) to being involved in the Spot Billing Meter Reading System and Meter Maintenance System. Not to mention he also was involved in being the Data Migration Lead for the Billing and Customer Relationship Management System (BCRM), Data

Governance and Data Quality Lead for the Customer Experience & Marketing Department, Retail Division. Currently, he is the acting Lead Tester for myTNB Application and internet portal.



**Mr. Murali Haripalan** has more than 15 years' experience in on grid and off grid system, he is also a Certified Design Engineer by SEDA for On Grid & Off Grid and a Certified for GreenRE (REHDA) and AEMAS (Energy Manager). He commands wide experience in PV ground-mount, on-grid and off-grid design work, maintenance & system improvement, DC/AC cable type selection & sizing, sourcing and selection of products for balance of system (BOS), analysis of module & inverter fault, inverter sizing and selection of

module & inverter. Mr. Murali is also certified by the Institute for Sustainable Power Quality (ISPQ201 Australia) for Design and Installation of Grid Connected Photovoltaic, a graduate member of Board of Engineers Malaysia (BEM) and the Institution of Engineers Malaysia (IEM), member of Code of Knowledge MS 1837:2010, Green Building Index (GBI), CDM and Energy Efficiency Audit as well as NIOSH – TNB Safety and CIDB.



**Ir. Ts. Nor Ziha Binti Zainol Abidin** is a dynamic team leader and the key driving force for the GSPARX marketing, sales and customer service team. Her responsibilities include sales, agreement negotiation, and digital marketing strategy and execution. Besides holding a Bsc and Msc (Electrical Power) from Rensselaer Polytechnic Institute, USA, she is also a graduate with a MBA from University Tenaga Nasional (UNITEN) and Melbourne Business School. Instrumental in setting up and operating the Malaysia

Electrical Market (NEDA), Nor Ziha was the key task force member in developing guidelines for large-scale solar spearheaded by Suruhanjaya Tenaga. Her vast experience enables her to author papers for prestigious conferences like IEEE, CIGRE, and CEPSI. Starting her career with TNB in 2003, Ms. Nor Ziha now has 19 years of experience covering electricity market study, transmission planning, substation design, and study on the integration of renewable into the grid system and rooftop solar PV. She is also a certified Professional by the Board of Engineers Malaysia (BEM). Currently, she is actively being invited to speak in various webinars and forums. In 2021, she was appointed as IRENA local consultant for IRENA Renewable Readiness Assessment for Malaysia and appointed as Universiti Teknikal Malaysia Melaka (UTEM) Industry Advisory Panelist (May 2021 - May 2023).



**Assoc. Prof. Ts. Dr Norzanah Binti Rosmin** is an Associate Professor at the Centre of - May Electrical Energy Systems, Faculty of Electrical Engineering, Universiti Teknologi Malaysia (UTM). She obtained her Diploma in Electrical Engineering in 1995, Bachelor of Electrical Engineering in 1999, and Master in Electrical Engineering in 2002, from UTM. She graduated with a Ph.D. in Renewable Energy from Loughborough University, United Kingdom in 2015. She has 23 years of experience in teaching electrical engineering courses

and supervising more than 40 undergraduate projects and 21 postgraduate students. She worked as an engineer at Kenwood (M) Industries in 1999 before joining UTM as a tutor in July 1999. In 2016, she was appointed as a Senior lecturer after completing her Ph.D. study in 2015. She specializes in the field of Renewable Energy (RE) such as wind energy control systems, Alternative/Renewable Energy systems and integration, and also in the field of energy efficiency, electrical energy audit and management systems. She has shared her expertise through research, workshops, and tutorials both locally and internationally. Her knowledge in the area has led to numerous publications in books, journals, and conference proceedings. She is a Certified Energy Manager (CEM) under the ASEAN Energy Management Scheme (AEMAS). She is also a Registered Electrical Energy Manager (REEM). She is highly motivated to participate in research activities to fulfill the university's vision of becoming one of the top research universities in the world.

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## 1-Day Seminar on “Electrical Power Supply Application, Green Energy & Testing Compliance”

### REGISTRATION FORM

Name(s)	M/ship No	Fees
	<b>TOTAL</b>	

Enclosed herewith a Cheque No.: \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favour of “*The Institution of Engineers, Malaysia (Southern Branch)*” and crossed ‘*A/C Payee only*’. If I/we fail to attend the course, the fee paid will not be refunded.

Contact Person: ..... Designation: .....

Name of Organisation: .....

Address : .....  
.....

Tel (O) : ..... Fax : .....

Mobile : ..... E-mail: .....

.....  
Signature

.....  
Date

### IMPORTANT NOTES

- **CLOSING DATE: 1 December 2022, Thursday**
- For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution’s **Maybank Current Account (No. 5-013920-15708)** before the **closing date**.
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the seminar, the fees is to be settled in full. If the participant made payment and failed to attend the seminar, the fees paid is nonrefundable.
- The Organizing Committee reserves the right to alter or change the program due to unforeseen circumstances.