The Institution of Engineers, Malaysia

Organised by
Environmental Engineering Technical Division

Virtual Half Day Course on

PLANNING TOWARDS 100% RENEWABLE ENERGY IN ENVIRONMENT SECTOR

SPEAKER

Ir. NOOR IZIDDIN ABDULLAH BIN GHAZALI

BEM APPROVED CPD: 4.0
REF NO: IEM25/HQ/311/C (w)

~~**11 Aug 2025**~~ **Rescheduled to**

Date :18 Aug 2025 (Monday)
Time :09.00 am - 1.00pm
Platform: Zoom Platform

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	**NORMAL FEE** (by fax & email) Payment by cash, credit card and bank-in
IEM Student Member	40.00	50.00
IEM Graduate Member	75.00	90.00
IEM Corporate Member	125.00	150.00
Non-IEM Member	240.00	300.00

Course Overview

The global transition from fossil fuels to clean, renewable energy is essential to address environmental pollution, global warming, and energy insecurity. Delay in action could lead to increased mortality, severe climate impacts, and global economic instability. Scientists agree that swift implementation is vital—failing to cut at least 80% of emissions by 2030 and 100% by 2050 could raise global temperatures beyond 1.5°C, triggering sea-level rise, extreme weather, drought, and species extinction.

Energy systems cause 95% of human-made air pollution and 75% of greenhouse gas emissions. Thus, a shift to 100% clean, renewable energy—wind, water (hydro, tidal, wave, geothermal), and solar (PV, CSP, thermal)—must cover all sectors: electricity, transport, buildings, industry, agriculture, and the military.
Why 100% and not 80%? Because every tonne of air pollution causes immense health and climate costs. The goal is to prevent illness, extinction, and further damage to ecosystems. Ending our reliance on fossil fuels will reduce risks from oil spills, wars over energy, and blackouts due to centralized systems, while also lowering long-term energy costs.

This half-day course will explore the feasibility and urgency of transitioning to 100% clean, renewable energy and storage. Participants will examine whether such a shift is technically and economically possible across all sectors globally and how it can address air pollution, climate change, and energy stability simultaneously.

PROGRAMME

TIME	DESCRIPTION
9.00 am to 10.00 am	Session 1: The Urgency of Transitioning to Clean Renewable Energy
10.00 am to 11.00 am	Session 2: Understanding the Energy Sources – Wind, Water, and Solar Technologies and their roles across key sectors
11.00 am - 12.00 pm	Session 3: Why 100%? Not 80% or 99% – The Full Impact of Clean Energy Health costs, pollution elimination, energy equity and decentralization
12.00 pm - 1.00 pm	Session 4: Is a 100% Transition Technically & Economically Feasible? Case studies, current progress, and implementation strategies
1.00 pm to 1.30 pm	Q&A & closing

SPEAKER'S DETAILS

Ir. Noor Iziddin Abdullah Bin Ghazali has more than 20 years of technical and leadership roles in the following industries: semiconductor, property, data center & telecom. He previously led sustainability energy programs at 22 government hospitals. Initially in a semiconductor with Spansion then MIMOS. Subsequently to data center development at Cyberjaya for Google, Deutsche Bank, TM, NTT, Petronas, and BMW. Then attach to Mesiniaga as Project Manager for Cisco network implementations at Petronas.

Next with Putrajaya Holdings for the development of green buildings. After that as Electrical Manager at Sunway Property overseeing the M&E projects. Later with edotco (Axiata) as the Regional Head overseeing energy projects in Malaysia, Bangladesh, Sri Lanka, Myanmar, Pakistan & Cambodia using a remote energy monitoring system. Then as Program Manager 4G/LTE modernization with Huawei & Ericsson. Subsequently as the Dean, of Engineering Faculty at UNIMY before joining Medivest as the Head of the Sustainable Energy Program.

Before this managing a clean energy supply & demand (electricity, fuel & water) portfolio at Westports Holdings. Followed by setting up a solar energy & energy storage subsidiary at Worldwide Holdings Berhad. Recently as the Senior Energy Advisor at GIZ (German Development Corporation) for Kuala Lumpur City Council focus on Energy Efficiency (EE) and Renewable Energy (RE) project implementation at more than two dozen sites (planning & execution) to be benchmarked at two dozen megacities around the world in terms of climate change and sustainability including potential district cooling.

As the energy advisor and project management consultant in the clean energy sector, now as Head of Project Development & Management at North Consult Engineering leading a project management consultant for multiple type of large scale solar farm in Malaysia & ASEAN region.

Ir. Noor Iziddin Abdullah Bin Haji Ghazali carries out work related to low carbon activities in supporting UN SDG and ESG agenda based on Kuala Lumpur Climate Action Plan (KL CAP 2050) & Dasar Tenaga Negara (DTN) 2022-2040 besides Malaysia Renewable Energy Roadmap (MyRER) plus National Energy Transition Plan (NETR).

Chairman,
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REGISTRATION FORM

VIRTUAL HALF DAY COURSE ON
PLANNING TOWARDS 100% RENEWABLE ENERGY IN ENVIRONMENT SECTOR
11 Aug 2025 (Monday) Closing Date : 6 Aug 2025

NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
	Sub Total:	
	SST Added 8% :	
	Total Amount Payable :	

PAYMENT DETAILS :

☐ Cash RM_____

☐ Cheque no._____for the amount of RM_____(non-refundable) .

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 participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS,** please note that payment **MUST** be made **BEFORE the closing date.** If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____Designation:_____

Name of Organization: _____

Address : _____

_____

Telephone No. : _____(O) _____(Fax No.)

_____(H) _____(HP)

Email :_____

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Signature & Stamp

_____
Date

Photocopies are acceptable