

An Event Of

 **IEM**  
CONVENTION



**URBENS 2026**

URBAN ENGINEERING SYMPOSIUM

# POWERING INTELLIGENT CITIES:

DATA, AI AND INFRASTRUCTURE FOR SMART MALAYSIA

**25 SEPT, 2026 (FRIDAY)**  
**HALL 8B**  
**KUALA LUMPUR**  
**CONVENTION CENTRE**

Held Concurrently With:

 **ENGINEER**<sup>®</sup>

5TH ENGINEERING EXHIBITION &  
CONFERENCE 2026, MALAYSIA

**22 - 25 SEPT 2026**

**KUALA LUMPUR CONVENTION CENTRE,  
MALAYSIA**

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## Message from Organising Chairman

Dear Ladies and Gentlemen,

The 2026 Symposium represents a critical juncture for Malaysia's urban development. By unifying data analytics, artificial intelligence and robust physical infrastructure, we are not just building cities – we are architecting resilient, intelligence ecosystems for future generations. I welcome you to join this transformative partnership at the KLCC.

Organising Chairman Urban Engineering Symposium (URBENS 2026)  
& Chairman of Urban Engineering  
Development Special Interest Group (UEDSIG)

**Ir. Mike Lau  
Yee Leong**

## Message from UEDSIG Advisor

Achieving a Smart Malaysia demands unprecedented collaboration between engineering vanguards and technological innovators. This symposium is the vitals catalyst for deploying AI-driven planning and next-generation utilities that will redefine our urban lanscape. Your sponsorship align your brand directly with this imperative

**Ir. Benny,  
Lau Eng Kee**

## Overview of the Urban Engineering Symposium

The Urban Engineering Symposium 2026 focuses on the future of urban engineering. This event aims to explore innovative solutions that shape sustainable urban development

## Mission & Vision

### Powering Smart Malaysia

The Symposium 2026 serves as the premier nexus for engineering professionals, urban planners, and technology leader to architects the future of intelligent urbanization in Malaysia

## Symposium Highlights

### 1. Digital & Energy Infrastructure for Smart Cities

- Data centres, fibre networks, and cloud platforms
- Power reliability as a smart city enabler

### 2. AI-Driven Cities: Global Lessons for Malaysia

- AI applications in planning, mobility, and utilities
- International case studies and local readiness

### 3. Digital Twins & IoT for Real-Time Urban Management

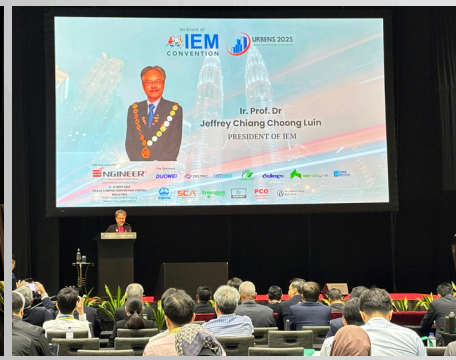
- Real-time monitoring and predictive maintenance
- City operations centres and dashboards

### 4. Energy Consumption, Sustainability & Net-Zero Cities

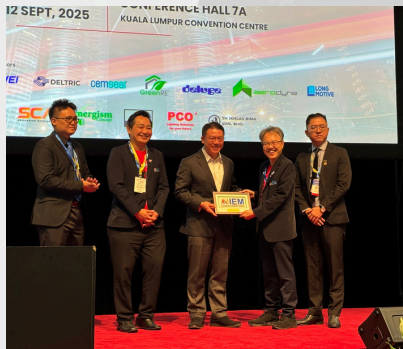
- Energy challenges of data centres and digital infrastructure
- Aligning smart city growth with ESG goals

### 5. Battery Energy Storage Systems (BESS): Enabling Resilient, Low-Carbon Smart Cities

- BESS as a bridge between renewable energy and urban demand
- Supporting data centres, EV charging, and critical services
- Grid stability, microgrids, and islanding capabilities
- Policy and regulatory considerations in Malaysia

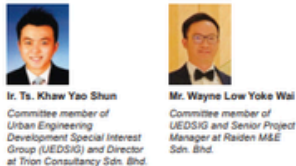


# Past Event & Highlight URBENS 2025



## The Institution of Engineer, Malaysia – Jurutera Bulletin

### Urban Engineering Symposium 2025



In conjunction with the IEM Convention 2025, the Urban Engineering Development Special Interest Group (UEDSIG) organised Urban Engineering Symposium (URBENS) 2025 on 12 September at the KL Convention Centre. The theme was The Future of Urban Engineering: Exploring the Next Frontier in Urban Development.

1. Integrating ESD/ESG in Urban Development.
2. Balancing Growth and Sustainability.
3. Sustainable Cities as Part of the Future of Urban Engineering.
4. Policy, Planning and Infrastructure of the Future.

The first speaker, Ir. Ts. Assoc. Prof. Dr. Leong Kah Hon (UTAR), spoke on ESG Implementation for Engineering Companies, practical steps for ESG integration, links to global SDGs, and how ESG enhanced compliance and competitiveness.

The second speaker, Y.B. Dato' Kamarul A. Muhamed (Aerodyne Group) presented on The Future of Cities: Where Skies Think & Streets Listen. The Guest of Honour, Y.B. Tuan Nga Kor Ming, Minister of Housing & Local Government, commended IEM for championing urban engineering and acknowledged that urban development was the result of multidisciplinary collaboration.

Digital Content

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The third speaker, Ir. Chua Ang Tze (BSD Consultancy Sdn. Bhd.), delivered a session titled Beyond Net Zero: Designing the Super Low Energy Buildings of Tomorrow. He shared international case studies, design strategies, and emerging technologies. Then Ir. Noor Izzidin Abdullah Haji Ghazali (North Consult Engineering), highlighted the role of project consultants in enabling impactful decision-making and driving sustainable development.

At the first panel discussion, moderated by Ir. Assoc. Prof. Dr. Ling Loyd of UTAR, the speakers shared perspectives, debated key issues, and engaged freely with the participants.



1. Ir. Ts. Harmidi Ali (Majlis Bandaraya Melaka Bersejarah), introduced i-TRAFIK Melaka, a smart heritage mobility initiative integrating real-time traffic analytics in UNESCO zones.
  2. Ts. Muhamad Adli Salihin (Department of Agriculture), discussed green infrastructure in urban farming, emphasising food security and low-carbon urban economies.
  3. Ar. Bee Sui Yeng (PAM Northern Chapter), presented Penang's sustainability roadmap through Penang2030 and the Penang Energy Framework.
- At the second panel discussion, moderated by Ir. Ts. Khaw Yao Shun, Ts. Adi talked about how urban farming could support Penang's sustainability agenda, highlighting the potential for future cross-departmental collaboration between the Department of Agriculture and the Penang State Government.
- Finally, Tuan Ir. Ts. Mohd Lokman Mohd Lasim (DBKL) and Ir. Ashwin Thuraiajah (GreenRE) delivered talks titled: Case Study: Rectification of Design Flaw in

Dual-Function Underground Stormwater Detention Pond Proposal at Taman SPPK, Segambut, KL, and Renewing & Revitalising Ageing Buildings.

At the third panel discussion, moderated by Assoc. Prof. Dr. Doh Shu Ing of Universiti Malaysia Pahang Al-Sultan Abdullah, Tuan Ir. Ts. Mohd Lokman expressed a strong interest in incorporating GreenRE certification to guide the retrofitting and upgrading of ageing buildings in Kuala Lumpur, to ensure they are more resilient and sustainable.

#### Key Outcomes of URBENS 2025

URBENS 2025 achieved its objectives through active participation, collaboration, and forward-looking discussions. Key takeaways included:

- Integration of ESG frameworks is now essential in engineering practice and policymaking.
- Technological innovations, including AI-driven infrastructure and smart mobility systems, are fundamental to sustainable urban management.
- Public-private collaboration plays a crucial role in strengthening urban resilience and supporting Malaysia's Net Zero aspirations.

# SYMPOSIUM PROGRAM

TIME	PROGRAM, SPEAKERS & TOPICS
8.30 am – 9.00 am :	Registration and Welcome Coffee & Tea
9.00 am - 9.05 am :	Welcome Address by Organising Chairman URBENS 2026 & Chairman of UEDSIG, Ir. Mike Lau Yee Leong
9.05 am – 9.10 am :	Welcome Speech by President of IEM / Representative
9.10 am - 9.20 am :	Opening Remark by Guest of Honour (YB Nga Kor Ming)
9.20 am – 9.25 am :	Token of Appreciation by IEM to Guest of Honour
9.25 am - 9.40 am	Token of Appreciation to Keynote Speaker, Speaker's and Sponsors by the Guest of Honour
<b>Session (1)</b>	<b><i>Digital and Energy Infrastructure for Smart Cities</i></b>
9.40 am - 10.10 am	Speaker 1 : Mr Lim Keow Teck (Cummins) Data Centres as Critical Infrastructure: Standards, Resilience and Powering Intelligent Cities
10.10 am - 10.30 am	<i>Morning Coffee Tea Break</i>
10.30 am - 11.00 am	Speaker 2 : Mr. Vincent Loh Kim Wah (Deltrac) Essential Earthing Design for HV Substations and BESS: Meeting the Latest ST Requirements for Intelligent City Energy Infrastructure
11.00 am - 11.30 am	Speaker 3 : Ir Noor Iziddin Solar PV & BESS for Commercial & Industrial Campuses: From Energy Cost Reduction to Grid-Ready Resilience
11.30 am - 12.00 pm	Panel Discussion 1: (with speaker 1 - 3) Moderator – Dr Ling Lloyd
12.00 pm - 2.00 pm	<i>Exhibition Tour of Engineer 2026 &amp; Lunch Break</i>

# SYMPOSIUM PROGRAM

TIME	PROGRAM, SPEAKERS & TOPICS
<b>Session (2)</b>	<b><i>Digital Twins &amp; IoT for Real-Time Cities // AI-Driven Cities: Global Lessons for Malaysia</i></b>
2.00 pm - 2.30 pm	<b>Speaker 4 : Reza Ali</b> <i>Director of AI Policy at the National AI Office (NAIO), Malaysia</i> <i>Ministry of Digital Malaysia</i>
2.30 pm – 3.00 pm	<b>Speaker 5 : CYPE - Alan</b>  TBC
3.00 pm - 3.30 pm	<b>Speaker 6 : SIEMENS? - Wayne</b>  TBC
3.30 pm - 4.00 pm	<b>Panel Discussion 2: (with speaker 4 - 6)</b> <b>Moderator – Dr Doh Shu Ing</b>
4.00 pm - 4.20 pm	<b>Afternoon Coffee Tea Break</b>
<b>Session (3)</b>	<b><i>Energy &amp; Sustainability Challenges</i></b>
4.20 pm - 4.50 pm	<b>Speaker 7 : Derek Foong</b> Data centre energy consumption vs net-zero goals using innovative control mechanisms
4.50 pm - 5.20 pm	<b>Speaker 8 : Ir Ashwin</b> Renewable integration, district cooling, waste heat reuse sustainability challenges faced by smart cities
5.20 pm – 5.50 pm	<b>Panel Discussion 3 : (with speaker 8 - 9)</b> <b>Moderator – Ir Steve Khaw</b>
5.50 pm – 6.10 pm	<b>Token of Appreciation for Afternoon Speakers and Sponsors</b> (for speaker & sponsor who are unable to received token at the morning session)
6.10 pm - 6.20 pm	<b>Closing Remarks by Ir. Mike Lau Yee Leong</b> <b>Organising Chairman URBENS 2026 &amp;</b> <b>Chairman of UEDSIG Session 2025 - 2026</b>

# Sponsorship Packages Overview

	<b>(PLEASE TICK "✓") (all fees to add SST 8%)</b>			
<b>A) Booth Package</b>				
<b>TYPE OF BOOTH SPONSORSHIP</b>	Platinum	Gold	Silver	Bronze
	RM25,000.00	RM20,000.00	RM17,000.00	RM15,000.00
Company Corporate Logo will be Displayed Throughout the Symposium & Exhibition Promotional Flyers & Advertisement	✓	✓	✓	✓
Corporate Promotional Material to be Inserted in Goodie Bags (1 item)	✓	✓	✓	✓
Company Logo on Digital Backdrop	✓	✓	✓	-
Acknowledgement of the Company During Symposium & Exhibition Opening Ceremony	✓	✓	✓	✓
Acknowledgement in Symposium Booklet (name of company)	✓	✓	✓	✓
Top Management for Engineer's Opening Ceremony (09 Sept 2025)	3	2	1	1
Complimentary Symposium Passes	3	2	1	1
Token and Certificate of Appreciation	✓	✓	✓	✓
1x Virtual Talk Session (under IEM)	✓	✓	✓	-
<b>Exhibition Booth</b>				
<b>Number of promotional exhibition booth which will be allocated (3m x 3m)</b>				
<b>1 unit of 3m x 3m Shell Scheme Stand at ENGINEER 2026 (each stand is complete with white melamine dividing panels/ partition, 1 set of company name on fascia board, needle punch carpet, 1 information desk &amp; 2 chairs, 2 units spot light, 1 unit 13 Amp power point, 1 unit waste paper basket)</b>				

# Sponsorship Packages Overview

## B) Table Top Display and Banners Package - 6 Units (all fees to add SST 8%)

		Amount (RM)	Complimentary Seat	Acknowledgement in the Conference Booklet	Please tick "√"
1	Table top area inside the Conference Hall and not at the IEM Convention Exhibition area (Engineer 2026 Exhibition) Display on 25 September 2026	6,000.00	3	✓	

## C) Advertisement Package (all fees to add SST 8%)

		Amount (RM)	Complimentary Seat	Acknowledgement in the Conference Booklet	Please tick "√"
1	Inside front Cover	6,000.00	3	✓	
2	Outside Back Cover	6,000.00	3	✓	
3	Inside Back Cover	4,500.00	2	✓	
4	Run of Page (inside page)	2,500.00	1	✓	

### Exclusive Sponsorship

5	<b>Special Package</b> (Inclusive - Run of Page Advertisement)	5,000.00	10	✓	
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### SPONSORSHIP DETAILS : PLEASE GIVE CORRECT DETAILS AND PIC TO BE CONTACTABLE.

**Organisation :** .....

**Contact Person:** .....

**Position:** .....

**billing address:** .....

.....

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**contact Details: Office No:** ..... **Handphone No:** .....

**Email address:** .....

**Date Submitted:** .....



# URBENS 2026

URBAN ENGINEERING SYMPOSIUM

An Event of



# IEM

## CONVENTION

## URBAN ENGINEERING SYMPOSIUM (URBENS 2026)

"POWERING INTELLIGENT CITIES"

25 SEPTEMBER 2026 @ KUALA LUMPUR CONVENTION CENTRE

PARTICIPANT REGISTRATION FORM

Email : suriani@iem.org.my / parimala@iem.org.my

Tel : 03-7890 0134 (Direct Line)

No	CATEGORIES	PHYSICAL REGISTRATION FEE (RM) (all fees to add SST 8%)	
		ONLINE (NON HRDF Claimable) (Log-in for registration & payment: via IEM PORTAL	NORMAL FEE (HRDF Claimable) (By Email : Quotation & Invoice)
1	Student Member	350.00	Not Available
2	Graduate Member	350.00	450.00
3	Corporate Member	500.00	570.00
4	Non-IEM Member	550.00	670.00
<b>Below Registration is STRICTLY by via EMAIL CORRESPONDENCE ONLY</b>			
5	Group Registration (03 – 10 participants)	5% Discount	Not Available
6	Group Registration (11 participants & above)	7% Discount	Not Available
7	AFEO Members	600.00	

### Participant Registration form

Email: suriani@iem.org.my / parimala@iem.org.my

Tel: 03-7890 0134 (Direct Line)

No	Name(s)	IEM membership No.	NRIC / Passport No	Fee (RM)
<b>ALL FEES TO ADD (+ SST 8%)</b>				
<b>TOTAL PAYABLE</b>				



# URBENS 2026

URBAN ENGINEERING SYMPOSIUM

An Event of



## URBAN ENGINEERING SYMPOSIUM (URBENS 2026)

"POWERING INTELLIGENT CITIES"

25 SEPTEMBER 2026 @ KUALA LUMPUR CONVENTION CENTRE

PARTICIPANT REGISTRATION FORM

Email : suriani@iem.org.my

### PAYMENT DETAILS :

Cash RM \_\_\_\_\_

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed 'A/C Payee Only'.

**FULL PAYMENT** must be settled before commencement of the seminar, 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 (whichever available).

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 : \_\_\_\_\_ (O)

Handphone: \_\_\_\_\_ (HP) Email: \_\_\_\_\_

\_\_\_\_\_  
Signature & Stamp

\_\_\_\_\_  
Date

### Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK-IN will be considered as NORMAL REGISTRATION
- 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 course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible to avoid disappointment.

### Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

### Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published in IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and agree to IEM's use and processing of my personal data as set out in the said notice.



# **URBENS 2026**

URBAN ENGINEERING SYMPOSIUM