

1 DAY SEMINAR: ENGINEERING SHOPPING MALLS V

Jointly organised by:

**Persatuan Pengurusan Kompleks Malaysia (PPK) and
Mechanical Engineering Technical Division, METD, IEM**



Date: 7th November 2023
Time: 9.00am – 6.00pm
Venue: Hotel Avante, Petaling Jaya

BEM APPROVED CPD/PDP: 7 | Ref No: IEM23/HQ/468/S

Greetings! We are pleased to inform that we are continuing our collaboration with the Institution of Engineers Malaysia (IEM), to organise the abovementioned event, ENGINEERING SHOPPING MALLS V after a hiatus of the past few years since 2019.

Engineering plays a very important part in the operations of shopping malls where the back-of-house has to perform well to produce an optimum environment for shoppers. It is also critical for mall operations and management that the M& E operations are both efficient and cost-effective because this impacts on the bottom line. Our well-experienced speakers will delve into topics which include Artificial Intelligence (AI), the importance of clean air and operational safety, electrical vehicles and the latest buzzword, sustainability.

This training is approved by HRD Corp for your application as per the following details:
No. Siri Kursus: 10001339423 - Tajuk Kursus: Seminar: Engineering Shopping Malls V

- Please register at this link <https://forms.gle/SdDz54cMj4YQBRd6> latest by Monday, 16 October 2023 and thereafter, we will email you the necessary documents required for your HRD Corp grant applications
- For those who do not intend to apply for the HRD Corp grant, you may register your participants immediately in the links abovementioned and we will invoice you directly.

To note that we will also be applying for CPD hours from the Board of Valuers, Appraisers, Estate Agents and Property Managers (BOVAEP).

REGISTRATION RATES <i>*inclusive of service tax</i>	Category 1 SPECIAL privilege fees for PPK & IEM members*	Category 2 (for non-members)*
Single Registration	RM 742	RM 901
Discounted rate for Group Registration (minimum 3 pax from the same company)	RM 667.80	RM 848

Important Notes:

1. Group discount: minimum of 3 or more delegates from the same company
2. All registrations must be made online with payment to be made thereafter and must be received prior to the seminar to confirm seating, latest by **16 October 2023**.
3. Walk-in delegates will only be admitted on the basis of space availability at the seminar and immediate full payment.
4. The organizer reserves the right to make amendment(s) without prior notice.
5. Cancellation Policy: We regret we are unable to accept any cancellations once delegates have registered but if they are unable to attend the seminar, a substitute delegate may be arranged. Please inform us accordingly on or before 16 October 2023. **In the event the registered delegate(s) are absent for whatsoever reasons, we will bill the company directly for the full sum of the seminar fees.**

TIME	Programme
08.00	ARRIVAL & REGISTRATION / Welcome Coffee
08.30	Introductions by Emcee
08.45	Welcome Address by Organizing Chairman (IEM) – Ir. Dr. Aidil Chee Tahir Chairman, METD, IEM
09.00	Overview of Shopping Malls, Malaysia - Ir. YL Lum - Secretary, PPK Malaysia
10.00	Coffee Break
10.15	PANEL FORUM: WHAT'S NEW IN BUILDING OPERATIONS
11.00	AI in Engineering - Dr Mohd Azraai b Mohd Razman – Senior Lecturer, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA)
11.45	Updates and Changes in Building Code and Regulations - Ir. Loo Chee Kin Senior Consultant - Global Risk Consultants
12.30	Operational Safety in Shopping Malls - Ir. Chandrasegaran Menon - PPK Malaysia
12.30	Panel Forum Moderated by: Ir YL Lum, Secretary, PPK Malaysia
13.00	Lunch
14.00	PANEL FORUM: SUSTAINABILITY IN PRACTICE
14.45	Case Study of Sustainability in Shopping Malls - Ms Jessica Jong - Head of Sustainability and Quality Assurance, Sunway Malls
15.30	Sustainable Facility Maintenance for Commercial Properties - Ir Tony Cheng Yew Leong - METD, IEM
16.15	Electrical Vehicles - Ir. Alan Chan - Engineering Consultant Dexalon
17.00	Panel Forum Moderated by: Ir Ricky Liew, METD - Secretary/Treasurer, IEM
17.30	Q & A Session
17.45	Tea Break
18.00	Token Presentation and end of Session

Programme subject to change without notice at the discretion of the organizer

PPKM secretariat at Tel: 03-77276232 / email secretariat@ppkm.org.my
IEM secretariat for Ms Roselein at Tel: 010-2922710 / email: roselein@iem.org.my

PANEL SPEAKERS FORUM 1: WHAT'S NEW BUILDING OPERATIONS?



Dr Mohd Azraai b Mohd Razman
Senior Lecturer, Universiti Malaysia
Pahang AI-Sultan Abdullah (UMPSA)

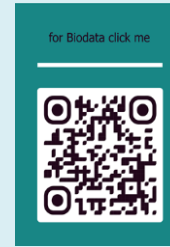
The Mall of Tomorrow: AI-Powered Engineering Solutions

AI in Engineering involves the application of artificial intelligence in various aspects of engineering, leveraging algorithms and data to enhance decision-making and processes. In the context of shopping malls, AI analysis can optimize Mechanical and Electrical (M&E) systems, such as lighting and HVAC, by adapting to foot traffic, weather conditions, and occupancy patterns. Examples of AI-driven automation in malls include predictive maintenance for escalators and elevators, real-time energy consumption monitoring, and AI chatbots for customer inquiries. AI tools also enable inventory management, personalized marketing, and security enhancements.



Ir. Loo Chee Kin
Senior Consultant, Global Risk Consultants
Updates and Changes in Building Code and Regulations

There have been several codes, regulations, and standard updates and changes since the last PPK-IEM seminar in 2019. This session will highlight some of these changes from the various authorities, which could affect planned projects as well as ongoing mall operations. Those key documents and circulars from DOE, DOSH, ST, Bomba and KPKT will be presented.



Ir. Chandrasegaran Menon
PPK Malaysia

Operational Safety in Shopping Malls

Safety in shopping malls is always of paramount importance to mall management as they are responsible and accountable to both their tenants as well as patrons. At the same time, social media will quickly pick up the smallest mishaps which will result in negative perceptions for the mall and may result lower footfall. Our speaker will present best practices for Fire Safety and Preventive Measures for M&E Installations as well as new technology which will enhance safety for all.

PANEL SPEAKERS FORUM 2: SUSTAINABILITY IN PRACTICE



Ms Jessica Jong
Head of Sustainability and
Quality Assurance, Sunway
Malls

Case Study of Sustainability in Shopping Malls

Discover the transformative journey of shopping malls embracing sustainability. This case study explores innovative strategies that have reshaped shopping malls into eco-friendly hubs. From energy-efficient lighting and waste reduction to green rooftops and community engagement, we delve into real-world examples that drive environmental responsibility and profitability. Uncover how these malls have minimized their carbon footprint, enhanced resource efficiency, and fostered a culture of conscious consumption. Join us to learn how the convergence of sustainability and commerce is not only possible but also essential for shaping a greener, more prosperous future.



Ir. Tony Cheng Yew Leong - METD, IEM
Sustainable Facility Maintenance for Commercial Properties

Commercial buildings are expected to increasingly contribute to the growing demand for electricity every year. This escalating demand, primarily driven by HVAC systems, has significant environmental implications as it originates from the use of fossil fuels in large-scale power plants for electricity generation. Consequently, it becomes essential for engineers and facility managers to participate in effective decision-making procedures to ensure that HVAC systems in buildings adhere to optimal design and maintenance standards. Furthermore, it is critical for the equipment within these structures to operate correctly and sustain their efficiency. This informative session seeks to offer the audience valuable insights into achieving these objectives by maintaining system efficiency throughout the operational period. Additionally, it explores the utilization of the latest and emerging technologies to further enhance and streamline the maintenance process.



Ir. Alan Chan
Engineering Consultant
Dexalon

Fire Safety View of Electric Vehicle (EV) & Charging Infrastructure in Malaysia

Electromobility refers to the growing trend and adoption of electric vehicles (EVs) and other electric-powered transportation solutions. Several factors, including environmental concerns, technological advancements, government regulations, and increasing consumer interest in sustainable transportation options, have driven this trend. Despite the positive momentum options, there are challenges to overcome in the electromobility transition. Today, EVs are not only a symbol of green transportation, but they also present extraordinary driving performance. However, compared to the Internal Combustion Engine Vehicle (ICEVs), which have seen continuous use and development over the last century, EVs are still far from mature, especially regarding their perceived fire safety (e.g., charging infrastructure). This safety concern stands in the way of the EV becoming the dominating transportation system.