

# **VIRTUAL HALF-DAY WORKSHOP ON “ENHANCING AUTOMOTIVE SAFETY: INSIGHTS FOR ENGINEERING STUDENTS OR ENGINEERS”**

**Date : 22 JUNE 2024**

**Rescheduled to 24 August 2024**

**Time : 9.00 AM – 1.00 PM**

**Speaker : Ir. Ts. Sukhairul Nizam Abdul Razak**

**BEM Approved CPD: 4 Hours  
CPD Ref. No.: IEM24/HQ/128/W (w)**

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

**Organised by:**  
**SENIORS SPECIAL INTEREST GROUP (SSIG), IEM**

## **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 on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

**“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”.**

**For intending participants who choose to ‘walk in without prior registration’,**

**IEM SHALL NOT be responsible for any direct or consequential losses**

## **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
- The Organising 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 so as to avoid disappointment

**FOR FURTHER DETAILS, KINDLY CONTACT:**

The Institution of Engineers, Malaysia  
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor  
Tel : 603-7968 4001/2 Fax : 603-7957 7678 Email : [suriani@iem.org.my](mailto:suriani@iem.org.my)

## **SPEAKER**



Ir. Ts. Sukhairul Nizam Abdul Razak received an early education at SMK Methodist ACS Klang Selangor, UTM Skudai in Bachelor of Mechanical (Aeronautical) Engineering and MBA from Charles Sturt University Australia. Registered as Asean Chartered Professional Engineer (ACPE), Professional Mechanical Engineer with practicing certificate (PEPC) since year 2016 with Board of Engineers Malaysia and registered as Professional Technologist with MBOT since year 2020. Started career at Proton's Manufacturing since 1995 as RND's body design engineer

follow with other positions in various departments in Proton Edar for nearly 18 years such as a Car Body Design Engineer, Branch Sales Manager, Manager Sales Standard, Manager Warranty Operations, Manager Equipment Tools & Calibration, Head of Division Office and worked with Accenture Malaysia for Daimler Group's project. He was a Regional Director for Leanmax Pro Sdn Bhd, was a Senior Lecturer for City University Malaysia, appointed as Programme Coordinator for First City University College and as Director for Enviroklar Tech Sdn Bhd. Ir Ts Sukhairul Nizam has experienced designed, developed automotive components as well managed anti-corrosion and painting development, aerodynamic development, and crash test development for the national car company. Ir Ts Sukhairul Nizam is also specialised in automotive sales training or coaching and managing product recall for automotive industry.

## **SYNOPSIS**

The "Virtual Workshop on Automotive Safety" is designed to provide engineering students and professionals with comprehensive knowledge and insights into automotive safety standards and practices. The workshop will delve into critical aspects of automotive safety standards and practices. The workshop will delve into critical aspects of automotive safety legislation, including the development process and the essential tests conducted to establish limitations and ensure compliance.

### Why Should You Attend This Workshop

This "Virtual Workshop on Automotive Safety" aims to empower participants with the expertise and tools necessary to contribute effectively to the development and implementation of robust automotive safety measures.

### Who Will Benefit with this Workshop:

This workshop is ideal for engineering students, professionals in the automotive industry, and anyone interested in advancing their knowledge of automotive safety practices and regulations.

## TENTATIVE PROGRAMME

Time	Programme
9:00 am – 10:00 am	<b>Automotive Safety Legislation</b> <ul style="list-style-type: none"> <li>Understanding the framework of automotive safety laws and regulations.</li> <li>Exploring the process involved in developing and implementing safety legislation.</li> </ul>
10:00 am – 11:00 am	<b>Testing and Rule-making Processes</b> <ul style="list-style-type: none"> <li>Examining the rigorous testing procedures used to determine safety standards.</li> <li>Understanding the role of tests in establishing limitations and enhancing rule-making efficacy.</li> </ul>
11:00 am – 11:10 am	Break
11:10 am – 12:00 pm	<b>Types of Collisions</b> <ul style="list-style-type: none"> <li>Analyzing different types of collisions and their impact on vehicle safety.</li> <li>Exploring strategies for mitigating collision risks through design and technology.</li> </ul> <b>Vehicle Design Criteria</b> <ul style="list-style-type: none"> <li>Discussing the fundamental criteria and principles in designing safe vehicles.</li> <li>Highlighting innovative approaches and technologies used to improve vehicle safety.</li> </ul>
12:00 pm – 1:00 pm	<b>Pedestrian Protection</b> <ul style="list-style-type: none"> <li>Addressing the importance of pedestrian safety in automotive design and engineering.</li> <li>Exploring advancements in pedestrian protection systems and their effectiveness.</li> </ul> <b>Q &amp; A</b>
1:00 pm	Conclusion and End of the session

**\* IEM reserves the right to postpone, reschedule, allocate or cancel the seminar**

## REGISTRATION FORM

VIRTUAL HALF-DAY WORKSHOP ON

“ENHANCING AUTOMOTIVE SAFETY: INSIGHTS FOR ENGINEERING STUDENTS OR ENGINEERS”

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IEM Corporate Member	125.00	150.00
Non-IEM Member	240.00	300.00

No	Name(s)	Membership No.	Grade	Fee (RM)
SUB TOTAL				
+ 8% SST				
TOTAL PAYABLE				

### PAYMENT DETAILS :

- FULL PAYMENT** must be settled before commencement of the workshop, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the workshop, the fee is to be settled in full. If the participant failed to attend the workshop, the fee paid is non refundable.
- 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 the registration automatically cancels..