



Virtual Half Day Workshop on Enhancing Automotive Safety: Insights for Students and Engineers.

By Ir. Sukhairul Nizam Abdul Razak

Deputy Chairman of Seniors Special Interest Group

On August 24th, 2024, a vibrant and enlightening virtual half-day workshop titled "Enhancing Automotive Safety: Insights for Engineering Students and Engineers" was conducted by the Ir. Sukhairul Nizam. The workshop, held from 9 am until 1 pm, saw the participation of 18 attendees, including lecturers, professional engineers, graduate engineers, and engineering students, making it a diverse and intellectually stimulating event.

Introduction and Objectives

The workshop aimed to provide engineering students and professionals with comprehensive knowledge and insights into automotive safety standards and practices. The workshop delved into critical aspects of automotive safety legislation including the development process and the essential tests conducted to establish limitations and ensure compliance.

Workshop Highlights

The workshop was divided into several key segments, each focusing on different aspects of control systems:

1. Automotive Safety Legislation:

The speaker began with an understanding the framework of automotive safety laws and regulations. He explained the process involved in developing and implementing safety legislation.

2. Testing and Rule-making Processes:

The session delved into examining the rigorous testing procedures used to determine safety standards including the understanding the role of tests in establishing limitations and enhancing rule-making efficacy.

3. Types of Collisions:

A detailed discussion on analysing different types of collisions and their impact on vehicle safety. The speaker emphasised the strategies for mitigating collision risks through design and technology.

4. Vehicle Design Criteria:

The speaker also discussing the fundamental criteria and principles in designing safe vehicles and highlighting innovative approaches and technologies used to improve vehicle safety.

5. Pedestrian Protection:

The workshop also addressing the importance of pedestrian safety in automotive design and engineering. The speaker shared the advancements in pedestrian protection systems and their effectiveness.

6. Interactive Q&A Session:

The final segment was an interactive Q&A session, where participants could ask questions and engage in discussions with the speaker. This session provided an opportunity for attendees to clarify doubts and gain deeper insights into specific topics of interest.

Conclusion

The workshop concluded with the speaker summarising the key points discussed and encouraging participants to continue exploring the fascinating field of automotive safety. Feedback from the attendees was overwhelmingly positive, with many appreciating the comprehensive coverage of topics, the practical demonstrations, and the interactive nature of the session. This virtual half-day workshop was not only a valuable learning experience but also an excellent platform for networking and knowledge exchange among professionals and students in the field of engineering.

IEM
The Institution of Engineers, Malaysia

VIRTUAL HALF-DAY WORKSHOP ON
"ENHANCING AUTOMOTIVE SAFETY: INSIGHTS FOR ENGINEERING STUDENTS OR ENGINEERS"

Organised by: Seniors Special Interest Group (SSIG)

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

22 JUNE 2024
RESCHEDULED TO 24 AUGUST 2024
9.00 AM - 1.00 PM
ZOOM PLATFORM

Ir. Ts. Sukhairul Nizam Abdul Razak

	ONLINE <small>Step to the registration & payment: www.myiem.org.my/registration/page.pptx</small>	NORMAL FEE <small>Step to the registration & payment: Payment by card, credit card and bank in</small>
IEM Student Member	40.00	50.00
IEM Graduate Member	75.00	90.00
IEM Corporate Member	125.00	150.00
New IEM Member	240.00	300.00

REGISTER NOW
www.myiem.org.my

Follow Us

myiem_official

Myiem HQ Official - General

www.myiem.org.my

Poster for Virtual Half Day Course on Enhancing Automotive Safety: Insights for engineering students and engineers.