

# PHYSICAL

## Technical Talk on From Vision to Reality: Achievements of the Malaysia Road Safety Plan 2014–2024 and Insights into the Road Safety Plan 2022–2030

*Jointly Organised by: Seniors Special Interest Group (SSIG) &  
Highway and Transportation Engineering Technical Division (HTETD), IEM*

**25 JANUARY 2025**

**SATURDAY**

**9.00 AM - 11:00 AM**

**Auditorium Malakoff  
Wisma IEM**

*BEM Approved CPD: 2 Hours  
CPD Ref.No.: IEM24/HQ/549/T*

### Registration fee

- Student Member: Free
- IEM Member: RM15.00
- Non-Member: RM70.00



*Ir. Ts. Sharifah Allyana*



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# **SYNOPSIS**

Over the past decade, the Malaysia Road Safety Plan 2014–2024 has provided a robust framework for improving road safety nationwide. This talk will highlight significant achievements, including engineering-related countermeasures such as safer road designs, the rectification of high-risk locations through targeted infrastructure improvements, and the introduction of advanced traffic management systems. Equally noteworthy are strides in vehicle safety, such as promoting the adoption of advanced vehicle safety technologies, strengthening vehicle inspection programs, and aligning with global standards to enhance crashworthiness. These efforts, alongside intensified enforcement strategies and public education campaigns, have contributed to measurable reductions in road traffic injuries and fatalities. Collaborative efforts with regional and global stakeholders have further solidified Malaysia's position as a leader in road safety innovation.

The second part of the session will introduce the Malaysia Road Safety Plan 2022–2030, which outlines a comprehensive framework containing ten priority areas adapted from the United Nations' five strategic pillars of road safety: road safety management, safer vehicles, safer road users, post-crash response, and safer driving environments. These fundamentals provide a holistic view of Malaysia's road safety ecosystem and serve as a foundation for planning and implementing strategies, initiatives, programs, and interventions. Central to the plan is the localization agenda, which emphasizes the active involvement of various stakeholders, especially at the local level, to ensure impactful and inclusive road safety outcomes.

This session aims to inspire collaboration and innovation, reaffirming Malaysia's commitment to reducing road traffic fatalities and injuries by 50% by 2030 while leveraging a well-structured framework to address national and local road safety challenges.

## **SPEAKER'S BIODATA**

**Ir. Ts. Sharifah Allyana Allyana** has extensive background in national and international road safety field. She is a Senior Researcher at the Malaysian Institute of Road Safety Research (MIROS). She served as the Acting Director of the Road Engineering & Environment Research Center at MIROS from 2013 to 2015. Additionally, she is recognized as a Professional Technologist by the Malaysia Board of Technologists (MBOT) and as a Professional Engineer by the Board of Engineers Malaysia. Throughout her career, she has contributed to numerous road safety research projects and has been significantly involved in the development and monitoring of both the Malaysian Road Safety Plan 2014–2020 and the Malaysian Road Safety Plan 2022–2030.

Allyana has hands on technical experience in the end-to-end implementation of the national automated enforcement system as a core member of its inter-agency team. Allyana is a great example of a great collaborator where she has worked closely with, to name a few, the Royal Malaysian Police, the Road Transport authorities, the Ministry of Works and highway concessionaire and also the Ministry of Health on a number of operational and research project to advance the safety of Malaysian roads. Her research background is diverse as she is a classically trained civil engineer with wide-ranging interests including but not limited to anything related with road safety data, motorcyclist, pedestrian safety, post-crash injury and also transportation safety.