

CARRIER SAFETY MANAGEMENT SUBCOMMITTEE (ACS60-1)

Tuesday, January 09 3:45 PM- 5:30 PM ET

Venue: Marriott Marquis, Mount Vernon Square (M3)

Chair: Prof Sharon Newnam, Queensland University of Technology

Proxy Chair: Olivia Dobson, Queensland University of Technology

AGENDA	RESPONSIBILITY
1. Welcome and Introductions (5 mins)	All
2. Updates since the 2023 TRB meeting (10 mins)	All
3. Presentation (30 mins) Title: Evaluation of the National Road Safety Partnership Program Overview: The National Road Safety Partnership Program (NRSPP) was created to bring together businesses, researchers, and government in a collaborative network and support organisations to improve road safety. This presentation will summarise findings from a program evaluation completed by the Monash University Accident Research Centre, measuring the program's activities, outputs and impact. The evaluation identified evidence that the NRSPP has increased its engagement in activities including knowledge production, advancement, and dissemination since its inception in 2013. Findings support the program's influence on key decision-makers, including government, external stakeholders, the research sector, and workplace organisations, as evidenced by reference to the NRSPP in policy papers, scientific reports, and stakeholder materials. Survey results additionally demonstrate the program's positive contribution to workplace health and safety outcomes (e.g. employee safety knowledge and workplace safety culture), and highlight areas of improvement to inform the future strategic directions of the program.	Olivia Dobson
4. Open discussion on research needs and next steps (30 mins)	All
5. Presentation (15 mins) Title: AI-based video analytics to understand safety issues associated with Heavy Vehicles at urban intersections Overview: Heavy vehicles such as trucks and buses can significantly impact overall traffic movements, particularly in urban environments. They also pose a significant risk to vulnerable road users (VRUs), such as pedestrians and bicyclists, due to large blind spots, poor visibility, longer turning manoeuvres, and wider turning radii. The conventional	Prof Shimul Haque, Professor of Transportation Engineering, Queensland University of Technology

<p>safety assessments based on historical crash records are reactive, based on limited information and often rely on engineering judgment instead of evidence-based support. A new project, led by Prof Shimul Haque, Prof Sharon Newnam and Prof Jerome Carslake, aims to utilise Artificial Intelligence (AI)-based video analytics and traffic conflict-based safety assessment for measuring the crash risks associated with heavy vehicles at urban intersections. This talk will mainly demonstrate the previous applications of AI-based video analytics on road safety and will discuss the aim and objectives of the new upcoming project on heavy vehicle safety.</p>	
<p>6. Open discussion (10 mins)</p>	<p>All</p>
<p>7. Other business (5 mins)</p>	<p>All</p>