

# GUEST LECTURE



## “Effects of Connected and Automated Vehicle Technologies on Transport Safety”

By Dr Shamsunnahar Yasmin

Friday, 24 January 2025

2:00 p.m. to 4:00 p.m. (Jakarta time)

Graduates and scholars of Australian tertiary institutions from Indonesia who are interested in attending this event, RSVP by Wednesday, 22 January, to this link: <https://oz.link/rsvpGL24JAN>

*\*Due to the limited availability of places, early registration is recommended. A link to this event will be shared with you after registration.*

### Overview of the Lecture

The emergence of connected and automated vehicles (CAV) has the potential to address key transport-related challenges in safety, mobility, and efficiency. Level two automation, commonly known as Advanced Driver Assistance Systems (ADAS), equips vehicles with features to help avoid crashes or mitigate collision severity.

The lecture will explore QUT's project on the growing prevalence of ADAS and its broader implications. The project uses a multidisciplinary approach to examine the safety effects of ADAS technologies and aims to deliver an integrated policy support tool to evaluate the safety effectiveness of vehicles with current and future CAV technologies.



Dr Shamsunnahar Yasmin

### Profile

#### Dr Shamsunnahar Yasmin (Shams)

*Senior Lecturer in Transport Engineering,  
School of Civil and Environmental Engineering,  
Faculty of Engineering,  
Queensland University of Technology*

Dr Shamsunnahar Yasmin (Shams) is a Senior Lecturer/Senior Research Fellow at Queensland University of Technology (QUT). She also serves in an honorary Adjunct Faculty position at the University of Central Florida.

As a transport engineer specialising in advanced econometric models, Dr Yasmin leads multidisciplinary, mixed-method research. At QUT, she leads research initiatives focused on developing interdisciplinary analytical frameworks that employ advanced econometric models to quantify the impacts of techno-economic paradigm shifts on road safety and travel demand.

Dr Yasmin is an editor for several prestigious journals, including the Journal of Analytic Methods in Accident Research and Scientific Reports–Nature Portfolio. She has been recognised with memberships in several committees of the Transportation Research Board (TRB) and is an active committee member of the Australian Institute of Traffic Planning and Management (AITPM)–Transport Modelling Network (TMN).