



SEMINAR

Pr. Ashish BHASKAR

from Queensland University of Technology (QUT) – Brisbane)

13th July 2026 – 11:00 AM to 12:30 AM

University Gustave Eiffel, Building Bienvenüe

14-20 Boulevard Newton, 77420 Champs-sur-Marne

room B017 and B020

Also you can attend this seminar via Zoom:

Link Zoom: <https://univ-eiffel.zoom.us/j/85705977861> , Password: ICCAM2026

Network Intelligence from evidence to impact

Abstract: This presentation by Prof. Ashish Bhaskar will showcase recent advances in network intelligence and transport systems operations arising from a series of industry-sponsored research projects. The talk will highlight how emerging data sources, advanced analytics, and real-time decision-support tools are transforming the management and operation of transport networks from reactive practices toward proactive and predictive intelligence.

The presentation will cover three key research initiatives:

1. Arterial Network Smart Performance Assessment: developing data-driven approaches to monitor, diagnose, and evaluate arterial network performance in real time using multi-source operational data.
2. Optimising motorway control algorithms: New technologies/data: investigating next-generation motorway management strategies leveraging connected data, advanced sensing, and intelligent control algorithms to improve efficiency, reliability, and safety.
3. Real-time network prediction and response simulation: integrating predictive analytics and simulation frameworks to support rapid operational responses under recurrent and non-recurrent traffic conditions.

The talk will discuss the translation of research into operational impact, including lessons learned from close collaboration with industry partners and transport agencies. The presentation will also reflect on future opportunities for AI-enabled network management, predictive operations, and intelligent multimodal transport systems.

Prof. Ashish Bhaskar is a Professor in Civil Engineering and Acting Associate Dean (Research) at the Faculty of Engineering, Queensland University of Technology. He specialises in transport network intelligence with focuses on developing advanced data-driven and AI-enabled approaches for transport network management, including motorway operations, arterial traffic control, real-time prediction, simulation, and multimodal system optimisation.

Prof. Bhaskar has led and collaborated on numerous industry-funded research projects with transport agencies and industry partners, delivering practical solutions for network performance assessment, traffic management, and operational decision support. His recent research also explores the integration of emerging technologies such as machine learning, large language models, and quantum computing into future transport systems. His work aims to bridge the gap between research innovation and real-world operational impact, particularly in the context of increasingly complex and connected transport networks.

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