



LECTURER

DEPARTMENT/UNIT	Civil Engineering
FACULTY/DIVISION	Faculty of Engineering
CLASSIFICATION	Level B
WORK LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at: www.monash.edu.

The **Faculty of Engineering** is one of the largest in Australia, renowned worldwide for the quality and calibre of our teaching, research and graduates. We offer a comprehensive range of undergraduate, graduate, postgraduate and higher degree by research programs in a wide range of engineering disciplines. Our research activities provide a platform for establishing a thriving educational enterprise and our staff are committed to creating a dynamic learning environment. The research activities range from fundamental studies to research with a strong applications orientation. To learn more about the Faculty of Engineering, please visit our website: www.eng.monash.edu.

The Faculty of Engineering has a strong commitment to diversity, inclusion and flexibility in the workplace. The Faculty aims to improve gender diversity among academic staff and has gender equity targets for shortlisting candidates.

The Department of Civil Engineering aims to provide high quality education, research and professional services globally for the mutual benefit of the students, the staff, the University, industry, the profession and the wider community. We offer several undergraduate degrees as well as postgraduate coursework degrees via Off-Campus Learning. The Department actively pursues innovative and significant multi-disciplinary research to address the challenges for engineering in the 21st century. For more information about us and the work we do, [please visit our website](#).

POSITION PURPOSE

The appointee is expected to play a major role, as part of a team, in the Transportation Engineering Program with a particular focus on intelligent transport systems/smart cities and future mobility. This is an opportunity to be part of shaping the future of transportation education at Monash University. The appointee is required to undertake academic duties that include lecturing in, and some administration of, the undergraduate and postgraduate teaching programs, and supervision of postgraduate research students. The successful applicant is

also expected to be involved in and/or lead research programs in his/her specialist area. These may include smart mobility, connected autonomous vehicles and transport network modelling and management.

The appointee is expected to strengthen the existing capability of Monash University and to further enhance its reputation as a leader in research and teaching.

Reporting Line: The position reports to the Head of Department

Supervisory responsibilities: Not Applicable

Financial Delegation: Not Applicable

Budgetary Responsibilities: Not Applicable

KEY RESPONSIBILITIES

Specific duties required of a Level B academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions
2. The initiation and development of course material in line with best practice methodologies
3. Subject coordination and subject content and delivery enhancement, including the preparation and delivery of lectures, preparation of course materials and seminars, and the design, implementation and review of educational innovations with appropriate support and advice of more senior staff
4. Consultation with students including marking and assessment of coursework and guidance on areas of development
5. The conduct of high-quality research and the undertaking of a significant role in research projects
6. Supervision of the program of study of honours students and of postgraduate students engaged in course work, and supervision, support and guidance to major honours or postgraduate research projects
7. Involvement in professional activities such as networking and industry events to stay abreast of academic and industry changes and developments and how these can be applied at Monash
8. Broad administrative functions; the majority of which are connected with the subjects in which the academic teaches
9. Attendance at departmental and/or faculty meetings and/or membership of a number of committees

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in science or engineering fields relevant to transportation or smart mobility

Knowledge and Skills

2. Demonstrated experience and proven ability in undertaking cross-disciplinary research and engage in research, scholarship and teaching matters
3. Demonstrated publication record in high-quality refereed journals, conferences, equivalent textbooks or teaching resources
4. Potential to secure significant nationally-competitive grants and/or other sources of funding for research
5. Potential to successfully supervising postgraduate research students to completion

6. Demonstrated record of teaching experience with positive student feedback in a tertiary environment at the undergraduate and postgraduate level, particularly in the areas of transportation such as traffic engineering, transport systems and transport planning
7. High-level written and verbal communication skills and proven ability to establish a good working relationship with colleagues and students, and to develop and maintain strong professional links with relevant industry business, government agencies and professional bodies and the community
8. Proven ability to plan, organise and achieve work targets, sometimes in demanding circumstances, and work harmoniously and constructively with academic colleagues and other University staff
9. Proven professional leadership qualities and capacity for administrative responsibilities, and a willingness to make a substantial contribution to all activities of the department, including administration and planning
10. Proven ability to promote the discipline internally within the university as well as externally at a national level
11. Demonstrated ability in organising and running the students field-trips

OTHER JOB RELATED INFORMATION

- Travel and block teaching at other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.