

Position description

Senior Lecturer

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| Department/Unit | Civil Engineering |
| Faculty/Division | Faculty of Engineering |
| Classification | Level C |
| Work location | Clayton campus |
| Date document created or updated | 12 October 2016 |

Organisational context

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit 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.au

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: www.eng.monash.edu.au/civil

The **Monash Institute of Transport Studies** operates within the Civil Engineering department at Monash University. Monash ITS is the ARC Key Centre in Transport Management in Australia and is internationally recognised for its transport research and education programs. Monash ITS has five academic staff and three research fellows based on the Clayton Campus; and two other academic staff based at the Monash-SEU Joint Graduate School located in Suzhou, China. The group is also expanding with transport staff located in civil engineering at the Monash Malaysia campus in Kuala Lumpur. Further information about the activities of ITS (Monash) are available from: www.eng.monash.edu.au/civil/research/centres/its/research

ITS Monash is focussing its research in two thematic areas:

- Multimodal urban transport system monitoring, modelling and optimisation: utilising advanced mathematical, optimisation and data mining techniques to study large transport networks and land use characteristics of smart cities
- Enhancing transport system sustainability, safety and resilience: understanding and influencing human behaviour and the social, environmental and economic impacts of transport on our cities

Position purpose

The Senior Lecturer is responsible for maintaining and developing their scholarship, research and/or relevant professional activities, as well as making significant contributions to the teaching effort of the University. The incumbent will utilise their strong teaching, communication and research skills, working within the Transport Group in the Department of Civil Engineering in one or more of the above-mentioned areas.

Reporting Line: The position reports to the Head of Department, Civil Engineering

Supervisory responsibilities: Not applicable

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

Specific duties required of a Level C academic will include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and studio sessions
2. Initiation and development of course material in line with best practice methodologies
3. Course coordination and course content and delivery enhancement, including the preparation and delivery of lectures and seminars, and the design, implementation and review of educational innovations
4. Consultation with students including marking and assessment of coursework and guidance on areas of development
5. 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
6. The conduct of research and the undertaking of a significant role in research projects including, where appropriate, leadership of research teams
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. Attend and contribute to departmental, school and/or faculty meetings and play a major role in planning or committee work

Key selection criteria

Education/Qualifications:

1. The appointee will possess:
 - a doctoral qualification and a record of demonstrable scholarly and professional achievement in the area of Transport Engineering or a closely related discipline area
 - an equivalent advanced qualification, significant experience in teaching and research, and technical and professional contributions and achievements within the relevant discipline area

Knowledge and skill:

2. High-level interpersonal 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 and the community
3. Proven ability, commitment and passion for engaging in academic activities, taking a leadership role and developing teaching capability within peers
4. Demonstrated excellence in teaching in the discipline area measured through evaluations, innovation in presentation and through curriculum development

5. A good publication record in high-quality refereed journals or equivalent textbooks or teaching resources
6. 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
7. Demonstrated capacity to promote the discipline both within the University and to the greater community and aligned industry groups

Other job related information

- Travel (e.g. to other campuses of the University) may be required
- There may be peak periods of work during which the taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.