



Research Assistant / Research Fellow – Public Transport Research Group

Department/Unit	Public Transport Research Group, Monash Institute of Transport Studies
Faculty/Division	Civil Engineering
Classification	Level A
Work location	Clayton campus
Date document created or updated	2018

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](#).

The Department aims to provide high quality **Civil Engineering** 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](#).

The Research Fellow Public Transport Research Group position is to be located within the Public Transport Research Group (PTRG) in the Institute of Transport Studies at the Clayton Campus of Monash University Melbourne. In 2015 an independent European review named PTRG and the 3rd top research group in the field in the world. The position reports to Professor Graham Currie, the Chair of Public Transport and head of PTRG. The role is to support the research and training undertaken by PTRG which is an industry collaboration between Monash University and Public Transport Victoria. The research will be multi-disciplinary in nature ranging from market research, travel demand analysis, operations research, transport modelling and urban planning. More details available [here](#).

Position purpose

A Level A research-only academic is expected to contribute towards the research effort of the university and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research.

The role of the position is to support the Chair of Public Transport in research activities in the field of public transport planning and development research. The chair is the first professorship in Australia in the public transport field and is supported by Government and transport stakeholders to develop learning and research in the public transport industry. The Institute of Transport Studies is a designated Australian Key Centre in Transport Education and Research and has over a 40 year history of excellence in these fields. Current research and education activities at ITS are summarised at:

www.eng.monash.edu.au/civil/research/centres/its/

Reporting Line: The position reports to Professor of Public Transport Monash University

Supervisory responsibilities: Not applicable

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

Specific duties required of a Level A research-only academic may include:

1. The conduct of research under limited supervision either as a member of a team or, where appropriate, independently and the production or contribution to the production of conference and seminar papers and publications from that research
2. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
3. Limited administrative functions primarily connected with the area of research of the academic
4. Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff
5. Occasional contributions to teaching in relation to their research project(s)
6. Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures
7. Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental, school and/or faculty meetings and/or membership of a limited number of committees
8. Advice within the field of the staff member's research to postgraduate students

Key selection criteria

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in Transport Engineering or a related discipline from a recognised university and subsequent qualifications and research experience in the area
 - an equivalent combination of relevant experience and/or education/training

Knowledge and Skills

2. Demonstrated statistical analysis and manuscript and research proposal preparation skills; including a solid track record of refereed research publications
3. Ability to solve complex problems by using discretion, innovation and the exercise diagnostic skills and/or expertise
4. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines

5. Excellent written communication and verbal communication skills with proven ability to produce clear, succinct reports and documents
6. A demonstrated awareness of the principles of confidentiality, privacy and information handling
7. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
8. Demonstrated computer literacy and proficiency in the production of high level work using software such as Microsoft Office applications and specified University software programs, with the capability and willingness to learn new packages as appropriate
9. Industry experience working with the public transport industry would be valued

Other job related information

- Travel to 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

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.