



PROFESSOR (RESEARCH)

DEPARTMENT/UNIT	Monash University Accident Research Centre
FACULTY/DIVISION	Senior Vice provost and Vice provost (Research)
CLASSIFICATION	Level E
WORK LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

Monash is full of thinkers and doers who are looking for their next challenge. So if you've forged a rewarding career so far, this role provides the perfect platform to join us. You'll have access to quality research facilities, infrastructure and teaching spaces to do exciting work, along with opportunities to collaborate internationally. You'll be part of a university that's made up of inspirational, challenging thinkers and doers – and continue doing work that makes a lasting impact. Discover more at www.monash.edu.

Monash University Accident Research Centre (MUARC) is a world leader in injury prevention research and training. Through excellence in injury prevention research and translation, MUARC supports, challenges and engages citizens, communities, governments and industry to eliminate injury from all causes. MUARC research is interdisciplinary, applying a systems-based framework across all modes of transport, workplace, and home and community sectors. Key to MUARC's success is stakeholder engagement and delivery of relevant research with real-world solutions that benefit all Australians. To learn more about us and the work we do, please visit our website: <https://www.monash.edu/muarc>.

POSITION PURPOSE

A Level E research-only academic is expected to exercise a special responsibility in providing leadership and fostering excellence in their area of research, in the organisational unit, within the University and within the scholarly and general community.

The Professor (Research) will provide vision and leadership for the human factors research program and will be responsible for generating an income stream to secure the ongoing activities of the human factors team at MUARC. Areas of research focus include: systems thinking in injury prevention; human machine interaction; equipment design; disruptive technologies and the future of private and public transport design and operation; vehicle automation and driver behaviour. Human factors research at MUARC is applied across multiple settings including transportation, healthcare, workplace, defence, mining, manufacturing and product design. There are also opportunities to contribute human factors expertise to other research units within MUARC, and to participate in strategic planning as a senior member of the Centre. The incumbent would be expected to develop a strategic plan for the human factors research program and the associated research platforms, which currently include a suite of driving simulators, vehicle telematics monitoring systems, eye-tracking systems, physiological

data acquisition systems and associated data bases. Funding for the program will be largely derived from industry contracts, tenders and competitive grants which the appointee would provide leadership in securing.

Reporting Line: The position reports to the Director of MUARC who will provide broad direction. It is expected the appointee will work with a high degree of autonomy

Supervisory Responsibilities: This position currently provides direct supervision to five research and technical staff

Financial Delegation: Not applicable

Budget Responsibilities: Yes, in line with Key Responsibilities

KEY RESPONSIBILITIES

Specific duties required of a Level E (Research) academic may include:

1. Provision of a continuing high level of personal commitment to and distinguished achievement in a relevant area of research or scholarship
2. Proactive development and promotion of close working research links with outside bodies and subsequent stakeholder relationship management including the dissemination and translation of research outcomes to technical and non-technical audiences within these bodies
3. Preparation of research proposal submissions to external bodies
4. Responsibility for the oversight of financial management of contracts and grants
5. The conduct of independent research in which the academic will provide leadership within a team and the preparation of conference and seminar papers and publications from that research
6. Supervision and performance management of research and administrative staff and other Academic staff responsible to the Level E research-only academic
7. Making a distinguished personal contribution to the conduct of research at all levels
8. Management of large research projects or teams
9. Fostering the research of other groups and individuals within the Centre and more broadly within the University
10. Developing policy and being involved in administrative matters within the Centre and within the University
11. Participating in community and professional activities related to their disciplinary area, including involvement in commercial and industrial sectors where appropriate
12. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
13. Occasional contribution to the teaching program in the field of the staff member's research
14. Supervision of postgraduate research projects
15. Attendance at meetings associated with research or the work of the Centre and a major role in planning and committee work
16. Exercise strong budget management for the project(s) managed to a value of \$500K +

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in human factors or closely related discipline, or equivalent accreditation and standing, together with subsequent research experience and is recognised as a leading authority in the area of human factors

Knowledge and Skills

2. Strong record of attracting substantial external funding and grants
3. Evidence of international leadership in research in the discipline of human factors and a reputation of being an expert in the field
4. An established personal program of research with strong evidence of translation and demonstrable impact on policy and practice, particularly through working closely with funding agencies
5. Powerful networking skills as evidenced by the ability to develop and sustain effective relationships at the highest level of government and industry
6. Strong record of publication in top tier peer-reviewed journals
7. Demonstrated skills and experience in managing and/or leading large research projects or teams, including director supervision of research staff
8. Demonstrated track record in the ability to foster a collaborative cross-disciplinary research culture, promoting research collaboration and opportunities for engagement across the wider University and international research community
9. Strong record of successful supervision of postgraduate research projects
10. Ability to effectively represent human factors and injury prevention initiatives and broader academic matters at relevant committees and forums across the Centre and University, as well as external to the University
11. Demonstrated skills in academic and administrative leadership and capacity to contribute to governance, strategic planning and policy development in the Centre and University
12. Effective track record in undertaking other senior academic administration roles within the school, faculty and University
13. Excellent communication skills, verbal and written, including the ability to effectively communicate research findings to stakeholders, media and the community

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University and client meetings 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.