ASSOCIATE PROFESSOR (EDUCATION-FOCUSED)

DEPARTMENT/UNIT Civil Engineering

FACULTY/DIVISION Faculty of Engineering

CLASSIFICATION Level D

DESIGNATED CAMPUS OR 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.

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 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 and postgraduate coursework degrees. 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 Monash Institute of Transport Studies (ITS) is a nationally recognised provider of education and research in transport and mobility with a reputation for excellence over more than fifty years. The staff associated with Monash ITS include academic staff whose formal appointment is in the Department of Civil Engineering, as well as staff at other two campuses including in China (Suzhou) and Malaysia (Sunway). Both undergraduate and postgraduate program in transport and traffic engineering and planning are offered across these three campuses. We provide world-class research in all elements of the sector from policy, to transport planning, construction, traffic management and transport service delivery. Our academic staff are rated in the top 2% of world scientists in the field reported by Elsevier. While according to the 2021 Academic Ranking of World Universities, Monash was ranked 80th in general,
50th in Civil Engineering and 45th in Transportation Science and Technology in the world. For more information, please see: www.monash.edu/engineering/its.

The University’s strategic plan for 2021-2030 (Impact 2030) is “focused on addressing the challenges of the age for the betterment of our communities, both locally and globally”, actively addressing those challenges in collaboration with government, industry and the community. Monash ITS is well positioned to advance the core goals identified in IMPACT 2030, through excellent research and education, the international reach of its activities and its strong record of developing enduring alliances and partnerships with industry, government and other organisations. Supporting the expertise in Monash ITS “will enrich our ability to innovate, to infuse our students and staff with enterprising capabilities, and provide opportunities to apply our research to make a significant impact by developing solutions for the betterment of our communities”. More specially, urbanisation is a global phenomenon which directly affects the future of society. Nevertheless, the magnitude of such challenges implies that no single field of research or profession can tackle them alone.

POSITION PURPOSE

Education-focused staff (as a subset of the Teaching and Research category of employment) at Monash are an elite category of the academy who focus on and contribute to the innovation of education and leading the design and delivery of education at the University. The Associate Professor (Education-Focused) is expected to make a significant contribution to all activities within their faculty and exhibit national or international leadership in educational practice and design.

To maximize our impact, we will broaden our portfolio to ensure our academic, interdisciplinary strength in addressing the sustainable transportation related challenges. The Associate Professor will use relevant industry and disciplinary experience in sustainable urban transport planning and analytics, and the knowledge, experience and creativity so specialise in innovative modes of course delivery, assessment, curriculum design, and research and/or scholarly activity focused on education.

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

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

This position is a Level D education-focused academic. Level D education-focused academics will engage in high-quality educational scholarship and/or play a leadership role in educational innovation, curriculum design and review. They will make an outstanding contribution inside and outside of the University, and in engagement with the community and profession, especially in areas related to teaching and learning.

Some of the duties of a Level D education-focused academic may include:

1. The preparation and delivery of lectures and seminars
2. Course material and resource development
3. Marking and assessment
4. Consultation with students
5. Playing a leadership role in curriculum design and review at school or faculty level
6. Leading a large interdisciplinary area, field of study or academic program
7. Engaging in collaborative design or implementation of cross-faculty, cross-campus or team taught units, courses or projects

8. Undertaking and contributing to a range of activities that contribute to educational innovation, review, impact evaluation and research at faculty and institutional level

9. Building capacity in learning and teaching in other academics within the Faculty and University more broadly

10. Leading the engagement and collaboration with industry and groups external to the University on education practice and design

11. High-level administrative functions

12. Attendance at departmental, school and faculty meetings and a major role in planning and committee work

13. Research and scholarship for a Level D education-focused academic may include demonstrated evidence of national impact through:
   - A well-regarded and sustained record of publication in educational or disciplinary research in high-quality national or international peer-reviewed outlets
   - Attracting external funding to undertake projects that enhance student or staff learning, teaching and pedagogical research outcomes
   - Presentations or debates at national or international conferences and forums to promote evidence-based educational practice that responds to emerging topics of interest to government and industry
   - Contributing to the development of educational policy and related areas at national or international level
   - Demonstrating change in teaching practice at national or international level, including improved pedagogies

14. Other duties as directed from time to time

**KEY SELECTION CRITERIA**

**Education/Qualifications**

1. The appointee will have:
   - Advanced qualifications and/or recognised significant experience in the relevant discipline area. A position at this level will normally require a doctoral qualification or equivalent accreditation and standing. In determining experience relative to qualifications, regard shall be had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement. In addition, a position at this level will normally require a record of demonstrable scholarly and professional achievement in the relevant discipline area.

**Knowledge and Skills**

2. Demonstrated academic excellence which may be evidenced by: an outstanding contribution to teaching and/or research and/or the profession; and national recognition for achieving improved or consistently excellent student outcomes for the design, implementation and review of educational innovations, educational leadership, and for educational or disciplinary research

3. Expertise in the field of sustainable integrated transport, economic benefit/cost evaluation and/or urban planning and analytics

4. Demonstrate excellent ability to foster, form and lead government, industry partnerships in one or more areas including practice, governance (policy/regulation), technologies and strategies

5. Demonstrate substantial success in obtaining funds to support activities including but not limited to research

6. Strong experience in collaboration across disciplines and areas of practice in urban and mobility planning and other sectors such as energy with track record/achievement in at least one topic in sustainable transportation
including: active, electric, rail and public transport; transport/infrastructure modelling; emerging technologies and data science

7. 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

8. Proven experience mentoring and supervising postgraduate and HDR students and proven ability to lead, manage, mentor and develop staff

9. Demonstrated excellence in teaching into the discipline area and beyond (i.e. through evaluations, innovation in delivery and through curriculum development)

10. Proven ability, commitment and passion for engaging in scholarly/research activities, taking a leadership role where appropriate

11. Strong scholarship/research record nationally as evidenced by the securing of external funding, an excellent publication record and invited conference/debate contributions

12. Evidence of participation and high-quality contribution to school, Faculty and University committees

**OTHER JOB RELATED INFORMATION**

- Travel to 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
- A current satisfactory Working With Children Check is required

**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.