

# ASSOCIATE PROFESSOR

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| DEPARTMENT/UNIT               | Civil Engineering |
| FACULTY/DIVISION              | Engineering       |
| CLASSIFICATION                | Level D           |
| DESIGNATED CAMPUS OR LOCATION | Clayton campus    |

## ORGANISATIONAL CONTEXT

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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](http://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 department has three main research themes including 7 areas of research focus (see [www.eng.monash.edu/civil/research](http://www.eng.monash.edu/civil/research)) and its **Water Group** is one of the leading water research groups in Australia. It has strong collaboration across its three campuses including Clayton Australia, Sunway Malaysia and Suzhou China. According to the 2022 [Academic Ranking of World Universities](#), Monash was ranked 80th in general, 43rd in Civil Engineering, 42nd in Water

Resources and 36th in Remote Sensing in the world. Details on our state-of-art facilities can be found at [www.monash.edu/engineering/departments/civil/research/our-facilities](http://www.monash.edu/engineering/departments/civil/research/our-facilities). The Department is looking to build on existing research strengths particularly in the areas of environmental remote sensing and/or modelling with a focus on areas such as flooding, droughts and ecohydrology.

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. The water group 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. More specially, climate and environmental challenges are largely driven by water and directly affect 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

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A Level D academic is expected to make a significant contribution to all activities of the organisational unit or interdisciplinary area and play a significant role within their profession or discipline. Academics at this level may be appointed in recognition of distinction in their disciplinary area.

The Associate Professor will contribute to education within the Department of Civil Engineering and research in environmental remote sensing and/or modelling with a focus on areas including, but not limited to, flooding, droughts and ecohydrology, and will contribute to the Departments' focus on engaging with, and partnering on, research project opportunities with Faculty colleagues, national and international partners and industry. The incumbent will need to be able to teach core water units within the undergraduate civil engineering degree.

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

**Supervisory Responsibilities:** Not applicable

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

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Specific duties required of a Level D academic may include:

1. The preparation and delivery of lectures, tutorials, practical classes, demonstrations, workshops, and clinical sessions
2. Initiation and development of course materials
3. Course coordination including offering guidance to assistant lecturers and supervision of sessional staff in teaching unit/s if required
4. Consultation with students and supervision of PhD, honours and postgraduate students
5. Preparation and assessment of student assignments and examinations
6. Conduct of original research that will lead to publications in refereed journals or with high level academic or commercial publishers and attract external and government funding
7. Significant role in research project including, where appropriate, leadership of a research team
8. Significant contribution to the profession and/or discipline both nationally and internationally
9. Other duties as directed from time to time

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The appointee will have:
  - A doctoral qualification in the relevant discipline area.

### Knowledge and Skills

2. A strong publication record in high-quality journals or equivalent and outstanding contribution to the discipline
3. Successful track record in obtaining external research grants
4. Record of successful supervision of postgraduate research students and the ability to make a significant contribution to postgraduate training programs
5. Demonstrated ability in undertaking outstanding research and leading a research team and/or project in areas related to environmental remote sensing and/or modelling with a focus on areas such as flooding, droughts and ecohydrology
6. Demonstrated excellence in developing and delivering high quality teaching in the relevant discipline area with positive student feedback in a tertiary environment including course coordination
7. Demonstrated ability to mentor staff and students
8. Demonstrated leadership in community and professional bodies, committees and other administrative work and portfolios
9. Proven ability to promote the discipline internally within the university as well as externally both nationally and internationally

## OTHER JOB RELATED INFORMATION

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- 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
- A current satisfactory Working With Children Check is required

## GOVERNANCE

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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.