

SENIOR LECTURER

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

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 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) 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. 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

A Level C academic is expected to make significant contributions to the teaching effort of a department, school, faculty or other organisational unit or an interdisciplinary area. An academic at this level is also expected to play a major role in scholarship, research and/or professional activities.

The Senior Lecturer 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

Specific duties required of a Level C academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions
2. Initiation and development of course material
3. Course coordination
4. The preparation and delivery of lectures and seminars
5. Supervision of major honours or postgraduate research projects
6. Supervision of the program of study of honours students and of postgraduate students engaged in course work
7. The conduct of research
8. Significant role in research projects including, where appropriate, leadership of a research team
9. Involvement in professional activity
10. Consultation with students

11. Broad administrative functions
12. Marking and assessment
13. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work
14. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

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

Knowledge and Skills

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors
3. Demonstrated publication record in high-quality refereed journals, conferences equivalent textbooks or teaching resources
4. 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
5. Proven record of obtaining significant external grants for research
6. Demonstrated record of successfully supervising postgraduate research students
7. Demonstrated experience in developing and delivering high quality teaching materials with positive student feedback in a tertiary environment including course coordination

OTHER JOB RELATED INFORMATION

- 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

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.