

POSITION TITLE	Lecturer in Spatial Sciences
FACULTY/INSTITUTE/DIVISION	College of Sciences and Engineering
SCHOOL/SECTION	School of Technology, Environments and Design, Discipline of Geography and Spatial Sciences
CAMPUS	Sandy Bay
CLASSIFICATION	Level B
TENURE	Ongoing
DATE	20 June 2018

POSITION SUMMARY

[Open to Talent](#), the University of Tasmania's strategic plan, sets a bold vision for the future, with high ambitions across the domains of research, students and community. UTAS recognises that achieving this vision is dependent on the people who work for the University.

[Opening UTAS to Talent: The UTAS Academic](#) specifies performance expectations in research, learning and teaching, community engagement and internal service for each academic level and for each discipline area. These performance expectations will inform recruitment to this position and the ongoing obligations of the appointee.

The University of Tasmania seeks to address the pressing problems of our time by drawing upon a breadth of disciplinary expertise and enabling cross-disciplinary approaches. The [School of Technology, Environments and Design](#) is a science, technology and design enterprise of global reach and relevance, integrating social and physical sciences, and underpinned by systematic and technology innovation and design. It is a vibrant centre for world-class research and learning and teaching on the interactions between, and understanding of, humans and the natural, built and digital environments. Our School capitalises on the distinctive culture and ecology of Tasmania's island laboratory, bringing together expertise in Architecture and Design, Information and Communication Technology, Physical and Human Geography, and Surveying and Spatial Sciences.

Within the School of Technology, Environments and Design, the Discipline of Geography and Spatial Sciences builds on and advances the University's strategic pursuit of academic and applied multi-disciplinarity in addressing the challenges that arise at the intersection of science and society. In Geography and Spatial Sciences, we take a keen interest in the sustainability of people and places. Our research and teaching encompasses and integrates human geography, physical geography, spatial sciences (remote sensing, geodesy, geospatial analysis), planning and environmental management.

Surveying and Spatial Sciences is the top-ranked 'Geomatic Engineering' research group in Australia and also makes substantial research contributions into Ecology, Physical Geography, Geophysics and Oceanography. We teach undergraduate and postgraduate surveying and spatial sciences degrees, and supervise research higher degree students.

Applications are invited from individuals with research and teaching interests in three-dimensional measurement and data modelling for representing and managing built and natural environments. In particular, applications are encouraged from those interested in high-resolution data acquisition (including photogrammetry and laser scanning technologies), data modelling (including workflows to model built or natural environments using high-resolution point cloud data), the development of 3D/4D city models and/or 3D

cadastral models. The position provides an opportunity for the appointee to contribute significantly to local, national and international developments in urban modelling and cadastral reform. Teaching responsibilities are likely to include undergraduate and graduate coursework teaching of photogrammetry and scanning technologies, and a coordination and teaching role in the School's professionally accredited Bachelor of Surveying and Spatial Sciences and Graduate Diploma of Land Surveying. Collaboration in teaching or research with the Disciplines of Architecture and Design and/or Information and Communication Technology would be strongly encouraged.

POSITION RELATIONSHIPS

Supervisor	Head of Discipline, Geography and Spatial Sciences
Direct reports	-
Other	The appointee will work closely with Staff in the Discipline of Geography and Spatial Sciences and interact with other academic staff, professional staff, current and prospective students and candidates in the School of Technology, Environments and Design, and colleagues in Government and Industry.

KEY ACCOUNTABILITIES AND OUTCOMES

1.	Make an effective and sustained contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities.
2.	Undertake high-quality research of national and increasingly of international standing, secure external competitive and other funding, publish research findings and contribute to the successful supervision of research higher degree students, in order to meet and regularly exceed the University's research performance expectations for Level B.
3.	Undertake scholarly undergraduate and postgraduate coursework teaching of a high quality.
4.	Contribute to the development and maintenance of productive and effective links inside the University and locally and nationally with the discipline, relevant interdisciplinary domains, profession, industry and/or wider community.
5.	Undertake other duties as assigned by the supervisor.

DECISION MAKING AUTHORITY/LEVEL OF RESPONSIBILITY

Under the broad direction of the supervisor and within the context of the University's policies and performance expectations, the appointee has a substantial degree of autonomy.

POSITION CRITERIA

Essential Requirements

1. A PhD or equivalent in Spatial Sciences, Surveying or a closely-related field.
2. A good record of, and continuing commitment to, research that has achieved national or international recognition and made worthwhile contributions, demonstrated by a record of quality publications, in disciplinary areas that include one or more of photogrammetry, terrestrial or airborne laser scanning, 3D object modelling, building information systems or cadastral systems.

3. Demonstrated capacity to deliver university-level teaching and learning in disciplinary areas that include one or more of photogrammetry, terrestrial or airborne laser scanning, data modelling, building information systems, surveying and/or cadastral systems.
4. A demonstrated capacity to build and maintain effective and productive relationships with the discipline, profession, industry and wider community.
5. Demonstrated track record of effectively working as part of a team.
6. A high level of proficiency in written and spoken English

Desirable Attributes

1. Demonstrated proficiency in course-level or unit-level coordination, particularly in the disciplinary areas of surveying and cadastral systems.
2. Success in securing external competitive and other research funding.
3. Experience in supervising research students.

WORKPLACE HEALTH AND SAFETY

- All staff will assist the University to create and maintain a safe and healthy work environment by working safely, adhering to instructions and using the equipment provided in accordance with safe operating procedures. Where appropriate, staff will initiate and participate in worksite inspections, accident reporting and investigations and develop safe work procedures.
- All supervising staff are required to implement and maintain the University's WHS Management System in areas under their control, ensuring compliance with legislative requirements and established Policies, Procedures and Guidelines and, provide the appropriate information, instruction, training and supervision.
- Staff will inform their supervisor of any unsafe working practices or hazardous working conditions.

UTAS STATEMENT OF VALUES



We subscribe to the fundamental values of honesty, integrity, responsibility, trust and trustworthiness, respect and self-respect, and fairness and justice. We bring these values to life by our individual and collective commitment to:

- * Creating and serving shared purpose
- * Nurturing a vital and sustainable community
- * Focusing on opportunity
- * Working from the strength diversity brings
- * Collaborating in ways that help us be the best we can