POSITION TITLE	Lecturer in Spatial Sciences and 3D Analysis

COLLEGE	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
DATE	June 2020

POSITION SUMMARY

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and culture future of Tasmania, and from Tasmania, contribute to the world in areas of distinctive advantage. The University recognises that achieving this vision is dependent on the people we employ as well as creating a people-centred University that is values-based, relational, diverse, and development-focused.

The College of Sciences and Engineering (CoSE) is comprised of the following Academic Units (schools and institutes): Australian Maritime College, Institute for Marine and Antarctic Studies, School of Natural Sciences, School of Technology, Environments and Design, and Tasmanian Institute of Agriculture. The College's schools and institutes have strong reputations for leading-edge teaching and research that responds to local needs and addresses globally significant issues.

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 encompass and integrates human geography, physical geography, spatial sciences, planning and environmental management.

Surveying and Spatial Sciences is the top-ranked 'Geomatic Engineering' research group in Australia and makes substantial research contributions into Physical Geography, Geophysics, Ecology and Oceanography, and a global top-100 ranked University in Remote Sensing. 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 spatial measurement and data modelling. Academics are particularly encouraged to apply if they have a background in terrestrial laser scanning technologies and associated processing, analysis and modelling of high-resolution 3D point cloud data in natural and/or built environments. The successful applicant will contribute to the research activities of the group and play a significant role in teaching and coordinating units in the School's undergraduate and postgraduate surveying and spatial sciences

We are an inclusive workplace committed to 'working from the strength that diversity brings' reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles and celebrate the range of diversity assets which gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community.

With this appointment we are particularly interested in increasing the diversity of our discipline workforce. We have endeavoured to make our workplace more inclusive by including support for staff who have career breaks and support for flexible working arrangements. Tell us how we can make this job work for you.

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.
	The appointee will also be expected to develop working relationships with colleagues in related sectors of Tasmanian Government and private industry.

KEY ACCOUNTABILITIES AND OUTCOMES

1.	Make a valuable and quality contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities.
2.	Develop your skills and capabilities in academic leadership and team work to foster outstanding research and/or learning and teaching.
3.	Undertake high-quality research of national and increasingly of international standing, seek to 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.
4.	Undertake scholarly undergraduate (and if relevant postgraduate) coursework teaching of a high quality.
5.	Actively develop and nurture productive networks within the University and locally and nationally with the discipline, relevant interdisciplinary domains, profession, industry and/or wider community.
6.	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 the Spatial Sciences or a closely-related field.

2. Relative to opportunity, a continuing commitment to research that has achieved national or international recognition and made worthwhile contributions, demonstrated by recent quality publications, in terrestrial laser scanning and the processing, analysis and modelling of high-resolution point cloud data in natural and/or built environments.

3. Demonstrated commitment to and potential for university-level teaching and learning in one or more of terrestrial laser scanning, airborne laser scanning, point cloud data analysis, spatial data modelling and photogrammetry.

4. A demonstrated commitment to develop and nurture effective and productive relationships within the discipline, profession, industry and wider community.

5. Demonstrated capacity to make positive contributions in teams.

6. A high level of proficiency in written and spoken English.

Desirable Attributes

7. Undergraduate qualification in Surveying and Spatial Sciences, Geomatics or a closely-related field.

8. Demonstrated capacity to deliver university-level teaching and learning in one or more of surveying, remote sensing, GIS and GNSS.

9. Demonstrated proficiency in course-level or unit-level coordination.

10. Success in securing external competitive and other research funding.

11. A record of contributing to successful research higher degree supervision and completions.

12. Expertise and experience in the collection and analysis of 3D point clouds derived from terrestrial laser scanners in a surveying context.

13. Professional experience relevant to the position.

WORKPLACE HEALTH AND SAFETY

- All staff assist the University to create and maintain an environment where people are safe, healthy and well by using and improving the systems and equipment we have for work.
- All staff actively manage risks associated with their work and report hazards, near-misses and incidents to their Supervisor to enable teams to positively learn and improve our systems and equipment.
- Supervising staff support and equip their teams to work safely by providing information, training and supervision. They respond quickly to issues and create an environment where teams are encouraged to positively intervene and empowered to make improvements.

UTAS VALUES AND BEHAVIOURS

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

Our University Behaviour Policy sets out these values, standards and expectations for appropriate behaviour that apply to all employees and characterise the collegial and community nature of our University.