



## POSITION DESCRIPTION

Department of Infrastructure Engineering  
Melbourne School of Engineering

### Lecturer in Spatial Information

POSITION NO	0001005
CLASSIFICATION	Lecturer Level B
SALARY	\$87,334 - \$103,705 p.a.
SUPERANNUATION	Employer contribution of 17%
EMPLOYMENT TYPE	<p>Full-time (continuing) position available</p> <p>The Melbourne School of Engineering is strongly committed to supporting diversity and flexibility in the workplace. Applications for part-time or other flexible working arrangements will be welcomed and will be fully considered subject to meeting the inherent requirements of the position.</p>
OTHER BENEFITS	<a href="http://www.hr.unimelb.edu.au/careers/info/benefits">www.hr.unimelb.edu.au/careers/info/benefits</a>
CURRENT OCCUPANT	Vacant
HOW TO APPLY	Online applications are preferred. Go to <a href="http://www.jobs.unimelb.edu.au">www.jobs.unimelb.edu.au</a> and use the Job Search screen to find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	<p>Professor Stephan Winter Tel +61 3 8344 7875 Email <a href="mailto:winter@unimelb.edu.au">winter@unimelb.edu.au</a></p> <p><i>Please do not send your application to this contact</i></p>

For information about working for the University of Melbourne, visit our websites:  
[www.hr.unimelb.edu.au/careers](http://www.hr.unimelb.edu.au/careers)  
[www.hr.unimelb.edu.au/careers/working-at-melb](http://www.hr.unimelb.edu.au/careers/working-at-melb)

## ***Position Summary***

The Department of Infrastructure Engineering combines the disciplines of Geomatics, Environmental Engineering and Civil Engineering. The department is looking for an ambitious candidate to join one of the world-leading teams in spatial information on a continuing basis. The successful candidate will work as an academic in sensing, collecting, modelling, interpreting or communicating spatial information. The candidate's specialisation is expected to complement the current team's expertise. Suitable areas could be, for example, information from imaging sensors, data analytics, or urban informatics. The candidate will contribute to the team's research impact and broaden its appeal in terms of industry engagement. The responsibilities of the position will include the development and delivery of successful undergraduate and graduate teaching subjects and making a significant contribution to the research activities of the department, including supervision of research higher degree students.

### ***1. Selection Criteria***

#### **1.1 ESSENTIAL**

- 1.1.1 A PhD in Geomatics, Spatial Information, or a related discipline;
- 1.1.2 Capacity to teach effectively, including the capacity to develop and deliver seminars and lectures and contribute to other teaching activities;
- 1.1.3 Post-doctoral research experience, including the aspects of project and team management;
- 1.1.4 An excellent research and publication record relative to opportunity;
- 1.1.5 Experience with undertaking collaborative research projects as part of a team;
- 1.1.6 Experience in obtaining research funding, either individually or as part of a team;
- 1.1.7 Excellent oral and written communication skills;
- 1.1.8 Ability to work both individually and as part of a team;
- 1.1.9 A high regard for professional ethics.

#### **1.2 DESIRABLE**

- 1.2.1 Experience in both fundamental and applied research;
- 1.2.2 Experience in research student supervision;
- 1.2.3 Experience in industry engagement;
- 1.2.4 Experience in inter-disciplinary research;
- 1.2.5 Demonstrated ability to teach both small and large classes effectively at tertiary level, including project based subjects;
- 1.2.6 Relevant practical experience.

### ***2. Special Requirements***

None

### **3. Key Responsibilities**

A Level B academic will normally contribute to teaching at undergraduate and postgraduate levels, engage in independent scholarship and/or research and/or professional activities appropriate to her or his profession or discipline. She or he will normally undertake administration primarily relating to her or his activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

#### **3.1 TEACHING**

- 3.1 Conducting lectures and tutorials at undergraduate and postgraduate level;
- 3.2 Preparation of project work to support student learning;
- 3.3 Performing marking and assessment duties and be responsible for supervision of project marking in subjects as lecturer-in-charge;
- 3.4 Providing adequate access for and effective student consultation;
- 3.5 Being proactive in the development of subject materials and delivery, including the use of web resources as appropriate;
- 3.6 Demonstrated interest in the continued improvement of teaching quality.

#### **3.2 RESEARCH**

- 3.7 Play a major role or provide a significant degree of leadership in scholarly research in infrastructure engineering;
- 3.8 Presentation of research workshops/seminars within the department;
- 3.9 Publishing of journal papers in reputed international journals;
- 3.10 The attainment of external research grant income;
- 3.11 Supervision of PhD, Masters and minor coursework research projects;
- 3.12 Presentation of conference papers at reputed refereed international conferences.

#### **3.3 SERVICE TO THE PROFESSION**

- 3.13 Active participation in professional activity including consulting, workshops and short courses for external participants and participation in meetings of professional societies.

#### **3.4 SERVICE TO THE DEPARTMENT**

- 3.14 Participation in industry liaison activities as arranged by the department;
- 3.15 Participation in department activities such as student events and school visits;
- 3.16 Administrative duties as required;
- 3.17 Occupational Health and Safety (OH&S) and Environment Health and Safety (EHS) responsibilities as outlined in section 5.

## **4. Information**

### **4.1 ORGANISATION UNIT**

<http://www.ie.unimelb.edu.au/>

The Department of Infrastructure Engineering sits within the Melbourne School of Engineering and houses the vital disciplines of Geomatics, Environmental Engineering and Civil Engineering. At present, the Department has more than 40 academic staff (teaching and research, and research only) and 16 general staff (technical, professional & administrative) and is located on the Parkville campus of the University.

The focus of the Department of Infrastructure Engineering is on engineering infrastructure that is sustainable; infrastructure that considers the natural environment it supports, as well as the economy.

The Department's research programs are dedicated to solving the major challenges facing societies around the world in the environment, physical infrastructure and spatial information.

Over the years, the Department of Infrastructure Engineering has established excellent links with industry and government. The department's research projects focus on significant and topical subject matter, and regularly involve input from other disciplines.

### **4.2 BUDGET DIVISION**

<http://www.eng.unimelb.edu.au/>

The Melbourne School of Engineering is one of Australia's leading Engineering Schools and aims to be the school of choice for the highest performing students and research staff in Australia and within the Times Higher Education Supplement top ten Schools of Engineering internationally by 2020.

### **4.3 THE UNIVERSITY OF MELBOURNE**

The University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The University offers staff many benefits and prospective staff are encouraged to view the following web links:

[www.unimelb.edu.au](http://www.unimelb.edu.au)  
[www.growingesteem.unimelb.edu.au](http://www.growingesteem.unimelb.edu.au)  
[www.unimelb.edu.au/careers](http://www.unimelb.edu.au/careers)

### **4.4 EQUITY AND DIVERSITY**

<http://www.hr.unimelb.edu.au/advice/equity-diversity>

### **4.5 GOVERNANCE**

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at [www.unimelb.edu.au](http://www.unimelb.edu.au).

## ***5. Occupational Health and Safety (OHS)***

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.