



School of Computing and Information Systems

Lecturer/Senior Lecturer
Appointments 2018



School of Computing and Information Systems

The School of Computing & Information Systems at the University of Melbourne leads a broad research and teaching agenda and is the top-ranked IT school in Australia. With sustained growth in local and international students and a forward-looking agenda of fundamental, socially engaged, and industry-facing research, we are undertaking a substantial expansion.

The strength of our School rests on several factors. Our staff includes leading academics in a range of fields across Information Systems and Computer Science, many of whom are recognised as leaders in their fields. The wider University is also a global leader across the academic spectrum, in fields including in Law, Science, Architecture, Education, Arts, Engineering, and in particular Biomedicine, and is host to one of the world's largest biomedical research precincts; our collaborations across the University provide us with many fascinating research opportunities.

The University of Melbourne attracts outstanding students to our undergraduate and graduate degrees. Our IT programs in Science, Design, and Engineering (including Computer Science, Digital Design, Data Science, Software Engineering, Information Systems, and others) provide students with an education across the spectrum of IT, and allow us to produce diverse, rich graduates, from both undergraduate and graduate degrees. These students not only participate in our programs, but engage in large numbers in activities such as industry internships and accelerator and start-up programs.

The Melbourne School of Engineering, our host faculty, is undertaking the most dramatic renewal in its 150-year history, doubling its size, adding a wide range of outstanding new facilities, and building an unparalleled program of cooperative interaction with industry: a program that is bringing to us some remarkable research challenges. As part of this program, CIS will soon be located in an innovative precinct combining student life, academic endeavour, and cutting-edge industry.

The University is in the city of Melbourne, near the central hub and close to many cultural and social centres. The city of Melbourne is rightly proud of its vibrant, innovation-focused environment, based in part on the large number of students attending either Melbourne or one of the other universities in Victoria. Repeatedly identified as the world's most liveable city, Melbourne is the ideal environment to flourish as an academic.

With a foundation of strong students, a tradition of outstanding research, and a generational opportunity for growth and renewal, we are seeking to grow through recruitment of the world's strongest early-career academics. We seek people to contribute across our endeavours: rounded, capable academics who undertake leading research, are strong communicators, and are driven to contribute to both knowledge and society. We particularly encourage female candidates, to allow us to continue to build a broad staff profile and a diverse workplace culture. We welcome your interest and look forward to receiving your application.





Where great minds collide

Welcome!

The University of Melbourne is a public-spirited institution that makes distinctive contributions to society in research, learning and teaching, and by engaging with communities, corporations and cultural organisations. Outstanding academics are at the heart of the University's teaching, research and engagement endeavours and their exceptional academic performance has placed the University of Melbourne amongst the world's top universities and at the forefront of higher education in the Asia-Pacific region and beyond.

Our commitment to excellence is demonstrated by innovative academic programs and our record as one of Australia's largest recipients of competitive research funding.

The University provides students with a rich and varied learning experience characterized by an atmosphere of intellectual excitement, an intensive research culture, a commitment to global engagement, clear academic expectations and standards, and a vibrant and exciting social context.

Over 46,000 students, including over 12,200 students from 129 countries, take courses at Melbourne. The University encourages its students to take responsibility for their own learning, in order to create dynamic partnerships with peers, teachers and researchers.

<http://joining.unimelb.edu.au/>
<http://about.unimelb.edu.au/careers/working/benefits>



Position Summary

The University of Melbourne is seeking dynamic academics with expertise in Computer Science or Information Systems. The School of Computing and Information Systems is an international research leader in computer science, information systems and software engineering. In this discipline, the School was ranked number 1 in Australia and 13th in the world in the 2016 QS World University Ranking exercise. The significant growth of the School is central to a bold 10-year strategy to transform the future of engineering and IT at the University of Melbourne and is a major initiative within the University's Growing Esteem strategy.

Expertise in the areas of health informatics/digital health, business information systems, software engineering, cybersecurity, or high-performance and distributed systems are of particular interest, but applicants whose work is aligned with any of the research groups in the School are encouraged to apply. You will be encouraged to collaborate in research within the School, the University, and industry and government agencies.

You will join an internationally recognised group of academics and make a significant contribution to the teaching, research and administration of the School of Computing and Information Systems. You will initially report to the Head of School or a delegate from amongst senior academics in the School.

You will be an aspiring leader in Computer Science or Information Systems research, with ambition to publish in high quality journals and conferences, mentor research students, and secure independent grant funding to support a program of research. You will be expected to develop a research portfolio. You will be expected to contribute to teaching in undergraduate and graduate programs within the School and take on administrative roles commensurate with the position.

The School of Computing and Information Systems 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.

The University plan seeks to increase the diversity of the workforce and the representation of women in areas they have been traditionally under-represented. Consistent with this the School is seeking to increase the representation of women in the academic workforce across engineering disciplines. Under a Special Measure, under Section 12 (1) of the Equal Opportunity Act 2010 (Vic) the School is seeking to lift the representation of women from 20% in 2014 to at least 25% over the next 5 years, and strongly encourages applications from suitably qualified female candidates.



Selection Criteria

Essential

- A PhD in Computer Science, Information Systems, or equivalent;
- A relevant research track record as evidenced by research publications in high- quality journals, conferences, technical reports, or other scholarly publications;
- Potential to achieve the highest levels of scholarship;
- Demonstrated ability to perform independent research and a commitment to interdisciplinary research;
- Capacity to teach effectively across a range of subjects, including the capacity to develop and deliver seminars and lectures and contribute to other teaching activities;
- Excellent oral and written communication skills including the ability to build networks with industry partners and other researchers, both local and international;
- Demonstrated ability to work both independently and as part of a team in a professional and collegial manner, and to build rapport with all levels of staff within a diverse work environment.



Selection Criteria

Desirable

- Experience in supervising postgraduate research students;
- Experience in curriculum development and implementation at undergraduate and postgraduate level that will maintain the Department's programmes at the highest international standards;
- Practical experiences working with industry or research institutes;
- Experience in obtaining competitive research funding, either individually or as part of a team.

Additional for Level C

- A strong publication record and demonstrated independence of scholarship;
- The development of educational programs and methods;
- A successful record of attracting competitive research funding;
- A successful record of engaging industry, government and/or the community in teaching and research;



Key Responsibilities

Teaching and Learning

- Coordinate and conduct lectures and tutorials at undergraduate and postgraduate level, including engagement in teaching innovation and improvement;
- Preparation of project work to support student learning;
- Performing marking and assessment duties and be responsible for supervision of project marking in subjects as lecturer-in-charge;
- Providing adequate access for and effective student consultation;
- Being proactive in the development of subject materials and delivery, including the use of web resources as appropriate;
- Act as Subject Coordinator in undergraduate and graduate subjects;
- Consult with students;
- Supervise undergraduate or postgraduate students engaged in coursework or smaller research projects;
- Demonstrated interest in the continued improvement of teaching quality.



Key Responsibilities

Research

- Exercise leadership in scholarly research, in conjunction with other colleagues;
- Presentation of research workshops and seminars within the department;
- Publishing of papers in reputable international journals and conferences;
- The attainment of external research grant income;
- Participate as a chief investigator on research projects;
- Supervision of postgraduate students.

Engagement

- Build and foster partnerships with industry, government, collaborators at other Universities and other stakeholders that contribute to the engagement of teaching and research in the wider community engagement;
- Actively participate in professional activities including consulting, workshops and short courses for external participants, and participation in meetings of professional societies;
- Engage in knowledge transfer and community activities beyond the university.



Key Responsibilities

Service and Leadership

- Participation in industry and community liaison activities as arranged by the department;
- Participation in School activities such as student events and school visits;
- Administrative duties as required;
- Occupational Health and Safety (OH&S) and Environment Health and Safety (EHS) responsibilities

Additional Responsibilities for Level C

- Supervision of major undergraduate, graduate or postgraduate research projects;
- Significant role in research projects including, where appropriate, leadership of a research team;
- Significant role in knowledge transfer and community engagement;
- A major role in planning or committee work.



Special Requirements

All teaching and research staff are expected to meet minimum performance expectations over a five-year period or, for shorter appointments, to demonstrate that performance is on track to meet these expectations. Currently, these expectations include:

- Papers in the leading publication outlets of the field, at a rate of one or more per year, and typically significantly more;
- To the extent possible within contract limitations, participation in a total of \$300,000 of research grants and contract income;
- Supervision of at least 1 full time equivalent postgraduate research student (noting that co-supervision is an expectation and that this would therefore correspond to at least 2 full-time students);
- Strong teaching performance as evidenced in student feedback gathered via University mechanisms;
- Completion of the Graduate Certificate in University Teaching, or evidence of prior completion of an equivalent program.
- Leadership as evidenced by participation in or development of University initiatives, by impact on or relevance of teaching and research to the wider community, by media contributions, or by engagement with business, government, or other similar external bodies.



WELCOME
TO THE UNIVERSITY OF MELBOURNE
#1
IN AUSTRALIA

#44

IN THE WORLD

Shanghai J.

Academic Ranking of World Universities 2014



People and Benefits

The University is committed to providing an intellectually stimulating and personally rewarding workplace which attracts people who are the best in their professional, academic and teaching fields. Outstanding academic staff are at the heart of the University's teaching, research and engagement endeavours. The University is proud of its many staff that have been recognised through prestigious national and international awards and through membership of Australia's learned academics.

The University offers staff more than just a job – it offers them an opportunity to be part of a dynamic world class organisation which provides its staff with exceptional benefits and support at every stage of their life and career.

- Working in a culturally inclusive environment
- Engaging in an active and vibrant campus life
- A focus on health and wellbeing
- Outstanding staff benefits in addition to competitive salary packages

Staff benefits on offer at the University include the opportunity to salary package everything from childcare and additional superannuation to subscriptions to the Melbourne Theatre Company. Benefits can be tailored to best suit individual needs and circumstances, including generous relocation support. Course fees can also be salary packaged and come at a 25% discount for staff and their immediate families. Unsurprisingly, the University has high numbers of women returning to work. It was one of the first winners of the Fair and Flexible Employer Recognition award.

<http://about.unimelb.edu.au/careers/working/benefits>



Living and Working in Melbourne

Melbourne and Surrounds

Melbourne is the capital city of Victoria, and is the second largest city in Australia. It is set around the shores of Port Phillip Bay and is considered to be Australia's cultural capital and voted by *The Economist* as the most liveable city in the world.

The City of Melbourne covers the city centre, many inner-city suburbs and precincts, which with its own personality and character. You can experience Greek culture from the Greek Quarter around Lonsdale Street, Vietnamese on Victoria Street, Italian on Lygon Street, Chinese in Chinatown and French on Collins Street.

Parkville Campus

A short walk from Melbourne's city centre, the Parkville campus is a hub of music, exhibitions, sporting facilities and libraries. Stroll around the historic campus to encounter a wealth of cafes, coffee corners, shops and services.

Parkville is recognised as the hub of Australia's premier knowledge precinct, comprising of eight hospitals and numerous leading research institutes and knowledge-based industries.

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





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