



POSITION DESCRIPTION

School of Computing and Information Systems
Melbourne School of Engineering

Research Fellow in Human-Computer Interaction

In line with the special measure H103/2014 provided for under section 12 of the Equal Opportunity Act 2010 (VIC), the Melbourne School of Engineering strongly encourages applications from suitably qualified female candidates.

POSITION NO	0043324
CLASSIFICATION	Research Fellow Grade 1 (Level A) or Research Fellow Grade 2 (Level B) <i>Level of appointment is subject to qualifications and experience</i>
SALARY	Level A: \$69,148* - \$93,830 p.a. (*PhD Entry Level A.6 \$87,415p.a.) Level B: \$98,775 - \$117,290 p.a.
SUPERANNUATION	Employer contribution of 9.5%
EMPLOYMENT TYPE	Full-time (fixed-term) position available until 31 December 2018 Fixed term contract type: Externally Funded
OTHER BENEFITS	http://about.unimelb.edu.au/careers/working/benefits
CURRENT OCCUPANT	New
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , under 'Job Search and Job Alerts', select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	Prof Frank Vetere Tel +61 3 8344 1496 Email f.vetere@unimelb.edu.au <i>Please do not send your application to this contact</i>

For information about working for the University of Melbourne, visit our websites:
about.unimelb.edu.au/careers
joining.unimelb.edu.au

Position Summary

The University of Melbourne has partnered with Microsoft Research and the Victorian State Government to establish the Centre for Social Natural User Interfaces (SocialNUI). Research in the Centre focuses on the social aspects of interactions with Natural User Interfaces (NUI). This research addresses new forms of human-computer interactions offered by emerging technologies.

SocialNUI operates as an autonomous research centre within the School of Computing and Information Systems at the University of Melbourne. The University of Melbourne and Microsoft Research share governance of the Centre.

Reporting to the Director of SocialNUI, you will work on one or more Social NUI research projects (details of research projects is available at <http://www.socialnui.unimelb.edu.au/research/>). You will be expected to work closely with other researchers in SocialNUI and will participate in the supervision of one or more graduate students. You will conduct independent research, leading to the preparation and publication of research outcomes in journals and at conferences.

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.

The University 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.

1. Selection Criteria

1.1 ESSENTIAL

- ▶ PhD in Human-Computer Interaction, or equivalent
- ▶ Experience in conducting experiments and user studies with human participants and strong analytical skills in human centred computing
- ▶ A record of quality research as evidenced by research publications in leading conferences and journals commensurate with opportunity,
- ▶ Ability to perform independent research and a commitment to interdisciplinary research;
- ▶ Excellent ability in analysing data, problem solving and maintaining accurate research records;
- ▶ Excellent interpersonal skills, including an ability to interact with internal and external stakeholders (academic, administrative and support staff), and to work co-operatively in a multi-disciplinary team environment in a courteous and effective manner;
- ▶ Demonstrated project management skills, including high level organisational and time management skills, ability to manage competing priorities and excellent record keeping skills;

- ▶ Excellent written and verbal communication skills, to technical and non-technical audiences, including presentation of research results at conferences, internal forums and through manuscript submissions.

1.2 ADDITIONAL ESSENTIAL CRITERIA FOR APPOINTMENT AT LEVEL B

At Research Fellow Level B, the successful applicant must demonstrate all the above, and additionally must address the following:

- ▶ Well-developed and an outstanding background in Human-Computer Interaction;
- ▶ Ability to work with limited supervision in a self-directed manner;
- ▶ Demonstrated ability to develop new experimental protocols and experience in trouble shooting protocols;
- ▶ Demonstrated experience in the supervision of graduate students and/or research assistants.

1.3 DESIRABLE

- ▶ Experience working in industry or in close collaboration with industry;
- ▶ Experience in software development, prototyping and qualitative fieldwork;
- ▶ Experience in the completion of ethics applications and submission of grant applications.

2. *Special Requirements*

None

3. *Key Responsibilities*

3.1 RESEARCH

- ▶ Independently plan and carry out fundamental and application-oriented research, addressing the social aspects of interactions with NUIs and work towards completion of the aims of the project and meeting agreed timelines and milestones;
- ▶ Perform data analysis, be responsible for qualitative and statistical analysis of research data, and communicate this information to the Chief Investigators and collaborators;
- ▶ Communicate the results of the research through reports, presentations, seminars and workshops and maintain accurate and detailed records of all experiments conducted;
- ▶ Lead and contribute to the preparation of manuscripts for publication in peer-reviewed journals;
- ▶ Liaise effectively with SocialNUI researchers to discuss research projects and explore the potential for further collaborations with internal and external stakeholders;
- ▶ Assist other researchers in carrying out experiments in order to work as a team and further SocialNUI's research output;
- ▶ Contribute to the development of the School's strong research program in Human-Computer Interaction;
- ▶ Perform administrative functions primarily connected with the SocialNUI research projects, including reporting to the State Government of Victoria and Microsoft.

- ▶ Work towards building an independent research project;

3.2 TEACHING AND LEARNING

- ▶ Contribute to teaching, training, scientific mentoring and supervision of students;
- ▶ Supervise junior research staff in the appointee's area of expertise;

3.3 ENGAGEMENT

- ▶ Active participation in some outreach activities relating to research and scholarship;
- ▶ Effective liaison with external networks to foster collaborative partnerships;
- ▶ Involvement in professional activities, including consultations and referrals;
- ▶ Present results at local and national forums;
- ▶ Attend and actively participate in departmental seminars, meetings and/or committee memberships.

3.4 SERVICE AND LEADERSHIP

- ▶ Assist with administrative duties and general laboratory duties including maintenance of the laboratory and equipment and ordering of supplies;
- ▶ Assist in the preparation and submission of competitive grant applications relating to the appointee's research program;
- ▶ Perform other tasks as requested by the supervisor or the Head of the Department;
- ▶ Undertake Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in Section 5.

IN ADDITION TO THE ABOVE, EXPECTATIONS FROM A LEVEL B ACADEMIC ARE:

- ▶ Produce regular reports, conference and seminar papers and publications associated with the research project;
- ▶ Generate conference papers for presentation at national and international conferences;
- ▶ Develop independent research and apply for grants;
- ▶ Undertake responsibility for the general oversight of grants associated with the research;
- ▶ Contribute to promotion and maintenance of academic excellence by supporting activities such as the Departmental seminar series;
- ▶ Initiate, manage and maintain significant inter-departmental and institutional collaborations;
- ▶ Plan experimental programs for Research Fellows, students and Research Assistants and effectively supervise or co-supervise honours or postgraduate research projects within research area.

4. Equal Opportunity, Diversity and Inclusion

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University's People Strategy 2015-2020 and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to strive for excellence and reach the targets of Growing Esteem.

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.

6. Other Information

6.1 SCHOOL OF COMPUTING AND INFORMATION SYSTEMS

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

The School of Computing & Information Systems undertakes research and teaching across a range of information technology disciplines including Software Engineering, Information Systems, and Computer Science. It offers a comprehensive range of IT courses at all levels, including offerings in science, engineering, and business, and is at the forefront of computing research in Australia and internationally with close links to major computing research initiatives, including the Victorian Life Sciences Computing Initiative (VLSCI), IBM Research, the Microsoft Research Centre for Social Natural User Interface (SNUI), and DATA61 (formerly NICTA). It was ranked 13th in the 2015 QS World University Ranking exercise by discipline.

The School's aim is to attract and retain outstanding staff in order to maintain a leading position in research and teaching. We have an existing highly successful research team in the area of the appointment, a large number of PhD students, and a substantial cohort of graduate students in our coursework Masters programs.

6.2 MELBOURNE SCHOOL OF ENGINEERING

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 Time Higher Education Supplement top twenty Schools of Engineering internationally by 2020.

6.3 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

www.growingesteem.unimelb.edu.au

www.unimelb.edu.au/careers

6.4 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 <http://www.unimelb.edu.au/unisec/governance.html>.