THE UNIVERSITY OF
MELBOURNE

School of Computing and Information Systems
Faculty of Engineering and Information Technology

Research Fellow – Human-Computer Interaction

POSITION NO	0055010
CLASSIFICATION	Research Fellow, Level A
SALARY	$75,289 - $102,163 p.a. (pro rata for part-time)
SUPERANNUATION	Employer contribution of 17%
WORKING HOURS	Part-time (0.6-0.8 FTE)
BASIS OF EMPLOYMENT	Fixed-term until 31/12/2023
OTHER BENEFITS	https://about.unimelb.edu.au/careers/staff-benefits
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers, select the relevant option ('Current Opportunities' or 'Jobs available to current staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	Jenny Waycott Tel +61 3 8344 8964 Email jwaycott@unimelb.edu.au *Please do not send your application to this contact*

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

Position Summary

This part-time, fixed-term role involves working with an interdisciplinary team of researchers to oversee field deployment studies and co-design workshops as part of a project that is developing a music therapy application that will support caregivers of people with dementia. The project aims to provide music therapy training to help those caring for people with dementia to use music effectively to improve mood, provide mental stimulation, and reduce behavioural disturbances. This is an interdisciplinary research project, funded by a Medical Research Future Fund (MRFF), and the role will involve contributing to outputs in the fields of Human-Computer Interaction and Music Therapy. The project includes four workstreams. Workstream 2 is led by Associate Professor Jenny Waycott and aims to provide insights into people's experiences using the music therapy application as part of their day-to-day caring activities and to co-design, with participants, the next version of the application. The candidate will contribute to this workstream, working under the supervision of A/Prof Jenny Waycott in the School of Computing and Information Systems, within the Faculty of Engineering and Information Technology. They will also work in close collaboration with colleagues in the Faculty of Fine Arts and Music (Music Therapy): Professor Felicity Baker, who leads the overall funded project, and Dr Jeanette Tamplin, who leads the first workstream of the project.

In addition to conducting research for the MRFF project, the successful candidate will be a member of the Human-Computer Interaction group in the School of Computing and Information Systems and will contribute to the Design for Ageing research theme. They will join a vibrant HCI community, comprising graduate research students, post-doctoral researchers, and academic staff, and will have the opportunity to attend weekly seminars and take part in a number of other knowledge-sharing activities organised by members of the HCI group. There will also be opportunities to co-supervise student research projects in the Human-Computer Interaction stream of the Master of Information Technology. The position will be based in the new Melbourne Connect building on the Parkville campus of the University of Melbourne, where the successful applicant will have access to state-of-the-art laboratory space for HCI research.

1. *Key Responsibilities*

- Oversee field deployment studies in community and institutional care settings, working closely with participants to collect qualitative data to assess user experience with the music therapy application

- Conduct a systematic review of the academic literature on the use of technology-based music interventions for people with dementia

- Organise a series of co-design workshops with family and formal caregivers to develop design requirements for the next phase of app development

- Produce regular progress reports to provide project team members with updates on findings and recommendations from the field deployment and co-design studies

- Oversee the iterative design of the next version of the mobile application that aims to provide music therapy training and support for caregivers of people with dementia.

- Contribute to and lead academic papers that report project outcomes.

- Give research presentations about research-in-progress and project outcomes.

- Participate in regular team meetings and communicate with team members and stakeholders about project progress and outcomes.

2. Selection Criteria

2.1 ESSENTIAL

- Knowledge of human-computer interaction research, especially in the area of technology and ageing
- Experience using qualitative research methods to inform design of new technologies.
- An emerging track record of academic publications and other outputs in human-computer interaction
- Experience conducting focus group sessions and design workshops with older adults and/or caregivers in sensitive healthcare settings
- Demonstrated skills and experience working in an interdisciplinary research team
- Excellent oral and written communication skills
- Experience of conducting research in settings that involve caring for people with complex care needs

2.2 OTHER JOB RELATED INFORMATION

- Occasional work out of ordinary hours, travel, etc.

3. 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 Advancing Melbourne strategy that addresses 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 Advancing Melbourne.

4. 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:

https://safety.unimelb.edu.au/people/responsibilities-of-personnel

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

5. Other Information

5.1 SCHOOL OF COMPUTING AND INFORMATION SYSTEMS

https://cis.unimelb.edu.au/#about

The School of Computing and Information Systems (CIS) at the University of Melbourne is an international leader in information technology research and teaching.

CIS is one of the highest-profile schools in the country, regularly ranked top in Australia for Computer Science (2021 THE and QS). It is one of only two Australian institutions in the 2018 Excellence in Research for Australia (ERA) to be ranked "5 - Well above world standard" in both Information and Computer Sciences (FoR 08) and Information Systems (FoR 0806). CIS is at the forefront of computing research in Australia and overseas, with close links to major initiatives such as Melbourne Bioinformatics, IBM Research and CSIRO/Data61.

The School is committed to attracting and retaining the highest-quality staff available in order to produce outstanding and impactful research. CIS has highly successful research teams in the key areas of Computer Science, Artificial Intelligence, Human-Computer Interaction, and Information Systems (IS), and in the Centre for Artificial Intelligence and Digital Ethics (CAIDE).

CIS provides majors in the three-year undergraduate "Melbourne Model" degrees and has a range of specialist graduate programs in CIS (including software engineering), AI, HCI, and IS. It has a large cohort of active graduate research students, both domestic and international, who are regularly publishing in top venues and engaging with the community.

In April 2021, CIS moved to a new home, Melbourne Connect, Melbourne's newest innovation precinct. Through the co-location of talented researchers, scientists, academics and students with private enterprise and government partners, Melbourne Connect seeks to unlock the value and global reach of the University's research and people. The pivotal work to be undertaken in Melbourne Connect with address major societal challenges by identifying solutions that are data-driven, digitally enabled, and socially responsible. To find out more, visit: https://melbconnect.com.au/.

5.2 FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

https://eng.unimelb.edu.au/

https://eng.unimelb.edu.au/about/join-feit

The Faculty of Engineering and Information Technology (FEIT) has been the leading Australian provider of engineering and IT education and research for over 150 years. We are a multidisciplinary School organised into three key areas: Computing and Information Systems (CIS), Chemical and Biomedical Engineering (CBE) and Electrical, Mechanical

and Infrastructure Engineering (EMI). FEIT continues to attract top staff and students with a global reputation and has a commitment to knowledge for the betterment of society.

FEIT has never been better positioned as a global leader, anchored in the dynamic Asia Pacific region, creating and curating knowledge to address some of the world's biggest challenges. Through our students and our relationships with communities, we can not only respond to society's needs but anticipate and create engineering and IT solutions for the future.

Our ten-year strategy, FEIT 2025, is our School's commitment to bring to life the University-wide strategy Advancing Melbourne and reinforce the University of Melbourne's position as one of the best in the world.

To achieve our ambitions, we will continue to build new infrastructure to enable our teaching, research and engagement; we continue to recruit outstanding people from around the world; and we continue to attract high-quality students from across the globe who are at the heart of our enterprise.

https://eng.unimelb.edu.au/about/feit-2025

5.3   THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The main campus in Parkville is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide-range of knowledge-based industries. With outstanding performance in international rankings, the University is at the forefront of higher education in the Asia-Pacific region and the world.

The University's 10-year strategy, Advancing Melbourne will enable the University to contribute to advancing the state and national interest and make vital contributions to Australia's standing on the world stage. We seek to be a leading force in advancing Australia as an ambitious, forward-thinking country while increasing its reputation and influence globally. https://about.unimelb.edu.au/strategy/advancing-melbourne

Further information about working at The University of Melbourne is available at http://about.unimelb.edu.au/careers