Position description

Lecturer, Interaction Design

Department/Unit	Information Technology
Faculty/Division	Faculty of Information Technology
Classification	Level B
Work location	Caulfield campus
Date document created or updated	March 2017

Organisational context

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit www.monash.edu

The **Faculty of Information Technology** aims to lead global IT research and education. Our strong reputation and international profile attracts the best students worldwide and we offer a range of accredited courses that transform our graduates into highly skilled and sought after IT professionals, equipped to work globally. Our research is multi-disciplinary, multi-campus and multi-national, giving us a unique capacity to reach out further and deeper than any other institution in Australia. Our research priorities are both technically ambitious and embedded in everyday life. To learn more about the Faculty and the exciting work we do, please visit our website: www.infotech.monash.edu.au/

Position purpose

The Lecturer in Interaction Design will make an outstanding contribution to all activities of the Faculty of Information Technology in Interaction Design. The appointee will have responsibility for contributing to excellence in research, teaching, professional activities and policy development in the specific field of expertise across the faculty, Monash and the broader community.

The Faculty of IT has a track record of internationally renowned research into electronic media arts, information visualization, physical computing and virtual heritage. The faculty would like to complement this with innovative research in interaction design in order to support new research in its major research initiatives: **sensiLab** and **Immersive Analytics**. The Lecturer in Interaction Design will contribute to transformative research, education and industry/ professional/ community engagement programs in interaction design both within the Faculty of IT and with the wider university. The position will be based within sensiLab at Monash's Caulfield Campus (http://sensilab.monash.edu).

This position represents an exciting opportunity for a talented person with demonstrated research experience in working with emerging technologies in areas such as virtual and augmented reality, design computing and computational design, physical computing, haptic interfaces, immersive visualization (including virtual, augmented and mixed realities) and tangible interaction design. sensiLab is well equipped with a range of exciting new technologies including custom immersive visualisation systems, Oculus Rift, HTC Vive, Microsoft Hololens, interactive devices such as the Myo gesture armband, Leap Motion and Intel RealSense, along with a range of sensor devices, microcontrollers, Internet of Things (IoT) devices, FDM and SLS 3D printing and robotic fabrication systems. The lab supports and encourages multi-disciplinary collaboration and has built productive partnerships across many different disciplines, including health, wellbeing and medicine, the creative arts, digital humanities, transport, games, and cultural studies.

Key result areas and responsibility

Research

- Conduct high quality research in a relevant area and contribute to the development of the major research initiatives, sensiLab and Immersive Analytics
- Publish papers in high-quality, high-impact peer-reviewed conferences and journals
- Provide high-quality co-supervision of higher-degree research students
- Contribute to the preparation of research proposals to external bodies
- Obtain competitive research funds and industry funding
- Contribute to intra-Faculty, cross-Faculty and cross-institutional research collaborations

Teaching and Learning

- Prepare and deliver high-quality lectures, tutorials, practical classes, demonstrations, workshops and studio sessions in units taught by the Faculty of IT for both undergraduate and graduate courses
- Perform high quality subject coordination, marking and assessment, and consultation with students
- Contribute to student academic counselling and pastoral care of students
- Deliver short courses aimed at a wider audience beyond courses at Monash
- Supervise major honours or postgraduate research projects or theses

Internal Service

- Undertake a range of administrative functions, relevant to teaching and research
- Participate in and contribute to faculty meetings, committees and activities

External Service

- Contribute to the co-operation in cyber security with external entities, such as other Australian universities and industry partners
- Review papers for conferences and journals
- Assess theses completed by students at other institutions
- Participate in the professional aspects of the discipline of information technology including professional societies and consultancy activities as appropriate

Key selection criteria

A Level B academic is expected to make contributions to the teaching effort of the university and to carry out activities to maintain and develop her/his scholarly, research and/or professional activities relevant to the profession or discipline.

1. A PhD in a relevant discipline of information technology

2. Strong record of scholarly publications in refereed journals and conferences in one or several of the following areas: virtual and augmented reality, design computing and computational design, physical computing, haptic interfaces, immersive visualization (including virtual, augmented and mixed realities) and tangible interaction design

3. Demonstrated record of successful collaboration with colleagues and internal stakeholders

4. Demonstrated capacity to independently and effectively conduct lectures, tutorials, assessment and examination marking in relevant unit areas, and evidence of teaching quality (e.g., student evaluations, peer review, innovations in teaching delivery)

5. Experience supervising and mentoring postgraduate students

6. Demonstrated ability to obtain external funding for research

Other job related information

- Travel (eg. to other campuses of the University)
- There may be peak periods of work during which the taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships