LECTURER - DIALOGUE RESEARCH

DEPARTMENT/UNIT	Data Science
FACULTY/DIVISION	Faculty of Information Technology
CLASSIFICATION	Level B
WORK LOCATION	Caulfield campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at 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 www.infotech.monash.edu.au/.

The Faculty of Information Technology is establishing a new research group, The Laboratory for Dialogue Research (LDR) led by Professor Phil Cohen. The LDR has close partnerships with Monash's new HCI Group, its renowned Centre for Data Science, the Engineering School, and with numerous universities in Australia and worldwide. Importantly, we plan to engage with interested industry, philanthropic, and government partners on problem, data, and tool selection and development of scalable approaches. LDR's Director is Prof. Phil Cohen, a AAAI Fellow and internationally known pioneer in natural language dialogue, multiagent systems, and multimodal interaction. The project that ultimately became SiriTM started in his laboratory at SRI International in 1993.

POSITION PURPOSE

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.

The incumbent to this position will conduct teaching and research that will contribute to the LDR' s plans to design, build, and evaluate state-of-the-art dialogue systems based on a variety of AI technologies such as Natural Language Processing (semantic parsing, generation), Machine Learning (deep learning, reinforcement learning, Bayesian networks, etc.), Multi-Agent Systems (planning, plan recognition, collaboration), and Multimodal Interaction (fusion of spoken language, vision, gesture), etc.

Reporting Line: The position reports to Professor Phil Cohen

Supervisory Responsibilities: This position would supervise undergraduate students, graduate students, and postdoctoral fellows

Financial Delegation: Not applicable

Budget Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level B academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions

2. Initiation and development of subject material

3. Acting as subject coordinators; the preparation and delivery of lectures and seminars

4. Supervision of the program of study of honours students or of postgraduate students engaged in course work

5. Supervision of major honours or postgraduate research projects

6. The conduct of research

7. Involvement in professional activity

8. Development of course material with appropriate advice from and support of more senior staff

9. Marking and assessment

10. Consultation with students

11. A range of administrative functions the majority of which are connected with the subjects in which the academic teaches

12. Attendance at departmental, school and/or faculty meetings and/or membership of a number of committees

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:

    - A doctoral or masters qualification in the relevant discipline area or equivalent accreditation and standing

Knowledge and Skills

2. Possess a high-level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors

3. Demonstrated statistical analysis and manuscript preparation skills; including developing a solid track record of refereed research publications

4. Ability to work positively and cooperatively with students, internal and external teams and external organisations

5. Demonstrated strong record of teaching experience in a tertiary environment

6. Demonstrated ability to motivate, actively engage and educate a given audience

7. Demonstrated experience in curriculum and subject material development

8. Proven ability, commitment and passion for engaging in scholarly and research activities

9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

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.