



# SENIOR LECTURER - DIALOGUE RESEARCH

<b>DEPARTMENT/UNIT</b>	Data Science
<b>FACULTY/DIVISION</b>	Faculty of Information Technology
<b>CLASSIFICATION</b>	Level C
<b>WORK LOCATION</b>	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](http://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/](http://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 C academic is expected to make significant contributions to the teaching effort of a department, school, faculty or other organisational unit or an interdisciplinary area. An academic at this level is also expected to play a major role in scholarship, research and/or professional activities.

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 C 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. Course coordination
4. The preparation and delivery of lectures and seminars
5. Supervision of major honours or postgraduate research projects
6. Supervision of the program of study of honours students and of postgraduate students engaged in course work
7. The conduct of research
8. Significant role in research projects including, where appropriate, leadership of a research team
9. Involvement in professional activity
10. Consultation with students
11. Broad administrative functions
12. Marking and assessment
13. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work

## 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 and/or recognised significant experience in the relevant discipline area

In determining experience relative to qualifications, regard shall be had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement. In addition, a position at this level will normally require a record of demonstrable scholarly and professional achievement in the relevant discipline area.

## **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 publication record in high-quality refereed journals, conferences equivalent textbooks or teaching resources
4. Demonstrated ability in undertaking outstanding research and leading a research team and project
5. Proven record of obtaining significant external grants for research
6. Demonstrated record of successfully supervising postgraduate research students
7. Ability to work positively and cooperatively with students, internal and external teams and external organisations
8. Demonstrated strong record of teaching experience in a tertiary environment including course coordination
9. Demonstrated ability to motivate, actively engage and educate a given audience
10. Proven ability, commitment and passion for engaging in scholarly and research activities
11. 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.