MONASH SUZHOU SCIENCE and TECHNOLOGY RESEARCH INSTITUTE (MSSTRI)

ASSOCIATE PROFESSOR (ADJUNCT), MONASH UNIVERSITY/ PRINCIPAL RESEARCH FELLOW, MONASH SUZHOU SCIENCE AND TECHNOLOGY RESEACRH INSTITUTE

SALARY RATES	RMB 600,000 – 700,000
WORK LOCATION	Suzhou, China
EMPLOYMENT TYPE	Full time
DURATION	Continuing appointment
CLASSIFICATION	Level D

ORGANISATIONAL CONTEXT

Founded in 1958, Monash University (**Monash**) has firmly secured its place as a leading global university. 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. Monash is 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.

Monash is honoured to be the first Australian university to receive a licence to operate in China, one of the world's largest and fastest-growing economies, via the partnership at Suzhou with the Southeast University (**SEU**), one of China's key national universities as well as establishment of Monash (Suzhou). The SEU-Monash partnership consists of the Joint Research Institute (**JRI**) and the Joint Graduate School (**JGS**), and will produce postgraduates and researchers with ideas to change people's lives in the region and the world for the better.

The collaboration is based at Suzhou Industrial Park (**SIP**), which is one of the largest innovation precincts in China and recognised as one of the world's most dynamic places for converting clever research into valuable industrial processes and products. It is a hub for more than 100 Fortune 500 companies, 480 R&D organisations, as well as 10 national and 28 international higher education institutions.

To facilitate the collaboration Monash established the Monash Suzhou Science and Technology Research Institute (Monash Suzhou Research Institute (**MSRI**) in short), a not for profit research institute in SIP. MSRI aims to provide a wide range of R&D support to Monash in China in five priority research areas including:

- Advanced computation in science and engineering;
- Advanced materials and manufacturing;
- Energy and environment;
- Future cities; and
- Life sciences

MSRI aims to attract outstanding researchers and high calibre research students. Research in the long term will not be limited only to the above themes; based on the research strengths of SEU and Monash, research in other areas will also be developed and promoted in time. It is the intention to build up a critical mass of researchers at the MSRI and the JRI and strengthen relationships in R&D with local and international industries and other institutions in China.

POSITION PURPOSE

A Level D academic is expected to make a significant contribution to all activities of the JGS and play a significant role within their profession or discipline. Academics at this level may be appointed in recognition of distinction in their disciplinary area.

The incumbent is expected to take a major role in planning, evaluating, and delivering courses and units in collaboration with the relevant Monash Department or School, and the other academic staff within the MSRI, JRI and JGS. The incumbent is also expected to participate in one of the above research themes in collaboration with Monash academic staff and with other academic staff within the MSRI, JRI and JGS.

This position will support research aligned with the Faculty of IT, Monash University and MSSTRI research strategies and strengths, and teach into the Master of Information Technology Systems (MITS) and Master of Artificial Intelligence (MAI) programmes in Suzhou, as well as engage in appropriate service and leadership to the Faculty and Centre for the position level. It is highly encouraged that the incumbent participates in and leads inter-disciplinary research with other colleagues at MSRI, JRI and JGS.

Broad key research and teaching interests include, but are not limited to, branches of artificial intelligence (AI), specifically machine learning, deep learning, computer vision, natural language processing and related areas. The incumbent may also teach into other areas of AI, such as planning, discrete/constraint optimisation, and automated reasoning.

Reporting Line: This position reports to the Head of the relevant Department or School at Monash for teaching activities performed in the JGS and the Centre Director of the relevant research theme within the MSRI for research related activities

Supervisory Responsibilities: This position provides direct supervision to junior research staff such as postdoctoral fellows and postgraduate research students

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level D academic may include:

1. Initiation and development of course materials

2. The preparation and delivery of lectures, tutorials, practical classes, demonstrations, workshops, and clinical sessions

3. Course coordination including offering guidance to assistant lecturers and supervision of sessional staff in teaching unit/s if required

4. Consultation with students and supervision of PhD, honours and postgraduate students

5. Preparation and assessment of student assignments and examinations

6. Conduct of original research that will lead to publications in refereed journals or with high level academic or commercial publishers and attract external and government funding

7. Significant role in research project including, where appropriate, leadership of a research team

8. Significant contribution to the profession and/or discipline both nationally and internationally

9. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:

   - A doctoral qualification and recognised significant experience in the relevant discipline area or closely related field.

     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. A strong publication record in high-quality journals, conferences or equivalent, and outstanding contribution to the discipline

3. Successful track record in obtaining external research grants

4. Record of successful supervision of postgraduate research students and the ability to make a significant contribution to postgraduate training programs

5. Demonstrated excellence in teaching in the relevant discipline area (i.e. through evaluations, innovation in presentation and through curriculum development)

6. Demonstrated ability to mentor staff and students

7. High level of interpersonal skills and a proven ability to establish good working relationships with colleagues, students and members of community and professional bodies

8. Demonstrated leadership in committees and other administrative work and portfolios

9. Proven ability to promote the discipline internally within the university as well as externally both nationally and internationally

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

11. Excellent oral and written communication in English and desirable for strong written and oral communication in Mandarin

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
- Eligible to work in mainland China either as a PRC national or a Non-PRC national with a current and valid employment permit

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.