MONASH SUZHOU SCIENCE and TECHNOLOGY RESEARCH INSTITUTE (MSSTRI)

DIRECTOR, ADVANCED COMPUTATIONAL CENTRE, MONASH SUZHOU SCIENCE AND TECHNOLOGY RESEACRH INSTITUTE & PROFESSOR (ADJUNCT), MONASH UNIVERSITY

SALARY RATES	962,016 RMB
WORK LOCATION	Suzhou, China
EMPLOYMENT TYPE	Full time
DURATION	Continuing appointment
CLASSIFICATION	Level E

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.

The Monash **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.

Our values:

- **Daring** – we have the courage to radically shake things up when needed
- **Excellence** – we strive for excellence in everything we do, and expect the same of others
- **Balance** – we know we are at our best when we take care of the well-being of ourselves, our families, and our colleagues
- **Passion** – we do things because we believe in them
- **Respect** – we approach relationships with courtesy, professionalism and empathy

POSITION PURPOSE

A Level E academic is expected to exercise a special responsibility in providing leadership and in fostering excellence in research, teaching, professional activities and policy development in the academic discipline of the JGS and within the community, both scholarly and general.

The Director will bring a strong personal commitment and reputation in both research and education to this role. Eminently credible, the incumbent will drive the ongoing international profile of the MSRI and our interdisciplinary research whilst simultaneously leading traditional and innovative pedagogical activities in order to ensure that students' university experience is of the highest standard and their skills are recognised and highly valued by employers. Moreover, the Director will oversee and support a group of academic staff in their education practice as well as course management.

The Director will lead grow and strengthen interdisciplinary research activities, attracting competitive national and international funding and building significant industry partnerships, aligning research to needs identified across government, industry, academia and civil society, and promoting MSRI and Monash's capability to play a significant role in national and international research, translation and education in the areas of IT and Artificial Intelligence.

The Director will actively pursue new partnerships and global networks of excellence through which MSRI and Monash can mobilise specialists from diverse scholastic fields, organisations, sectors and places to generate newly funded and globally significant research in the areas of Artificial Intelligence, Data Science, Human Centred Computing, Software Systems and Cybersecurity.

As Director of the Advanced Computational Centre, the Director will also work closely with academics from Monash and Southeast University across disciplines such as IT, Engineering, Medicine and Science to create cross-disciplinary relationships in order to strengthen and drive R&D opportunities with local and international industries and other institutions in China across areas such as simulation and modelling, bioinformatics, intelligent health management systems, big data, cloud computation and IT.

Reporting Line: This position reports to the Head of Department, Data Science & AI, Faculty of Information Technology at Monash University for teaching activities performed in the JGS and the Pro Vice-Chancellor, MSRI for research related activities

Supervisory responsibilities: This position provides direct supervision to four academic staff

Financial delegation: Not applicable

Budgetary responsibilities: Not applicable

MONASH SUZHOU SCIENCE and TECHNOLOGY RESEARCH INSTITUTE (MSSTRI)

KEY RESPONSIBILITIES

Specific duties required of a Level E academic may include:

1. Actively engage in a specialist research area in line with the Faculty's research strategy, by maintaining a substantial active publications record (high-quality refereed journals) and supervising and mentoring early career researchers and research students

2. Foster research excellence through procuring competitive research grants, leading significant research projects and working with other staff to develop research links

3. Provide strong and committed leadership in teaching, curriculum development and research training by participating in the faculty's curriculum planning and development processes, academic committees, and relevant examination processes in addition to monitoring the quality of individual teaching in the relevant discipline

4. Provide innovative and effective leadership for the expansion of the faculty's HDR program by attracting high quality HDR students

5. Contribute to academic and administrative leadership within the faculty by participating in the development of policy and strategy

6. Maintain and broaden collaborative partnerships with relevant faculties and departments/schools within the University and community

7. Maintain and broaden collaborative partnerships with external agencies both nationally and internationally, making a significant contribution to the profession

8. Actively contribute to partnering with industry and diversifying funding avenues

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. Evidence of outstanding scholarly activity of an international standard in Artificial Intelligence and Data Science and a demonstrated ongoing commitment to one or more programs of research

3. Demonstrated ability to generate research income, including from both traditional and more innovative sources of research funding

4. Record of successful supervision of postgraduate research students and the ability to make a significant contribution to postgraduate training programs in Artificial Intelligence and Data Science

5. Proven excellence in teaching and management of education programs

6. Willingness and capacity to make a substantial contribution to all activities of the department, including administration and planning

7. Proven professional leadership qualities and capacity for executive administrative responsibilities

8. Evidence of sustained relationships with industry, business, government agencies, professional bodies coupled with vision for the future needs and development of Artificial Intelligence and Data Science within China and internationally

9. 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 will 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

LEGAL COMPLIANCE

Ensure you are aware of and adhere to legislation and MSRI and Monash 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.