Griffith UNIVERSITY
Queensland, Australia

Position Description

Position Title	Research Fellow
Group/Portfolio	Griffith Sciences/IIIS
Classification	Research Fellow Grade 1/Grade 2 (RF1/RF2)
Position Number	00061170
Reports To	Director
Employment Type	Fixed Term

1.0 Position Purpose

The Research Fellow is responsible for contributing to one or more areas of research within the Centre/Institute. The position also provides some administrative assistance to the Director and senior staff members of the research team and support to research group activities, field and laboratory training.

The Research Fellow will join the ARC Research Hub for Driving Farming Productivity and Disease Prevention, which is funded by the Australian Research Council (ARC) Industrial Transformation Research Program (ITRP). The position involves contributing towards the research objectives within the field of deep learning, computer vision, pattern recognition and machine learning specifically in the area of fine grain visual classification for agriculture. It is imperative that the Research Fellow contributes to the research reputation and profile of the Centre/Institute, through including but not limited to top tier journal and conference publications, patents, public lectures, seminars, and media releases.

2.0 Eligibility Requirements

The occupant of this position will hold a PhD or equivalent qualifications/work experience in computer science, engineering, applied mathematics, or equivalent qualifications in a relevant field. You will have a strong desire to build a career in machine learning, deep learning, artificial intelligence, and computer vision with the demonstrated ability to undertake research projects, including publishing in top tier journals and conferences such as IEEE TPAMI, IEEE TIP, PR, CVPR, ICCV, IJCAI, AAAI. The Institute seeks an enthusiastic individual who is committed to becoming an integral part of the research team.

3.0 Key Responsibilities

- Conduct research that contributes to the research objectives of the Centre/Institute.
- Develop an excellent publication record in high impact, international, esteemed peer-reviewed journals and conferences, and to seek competitive funding.
- Contribute to and work on the fundamental theories, new approaches and algorithms, technical investigation, system implementation and experiments for research projects with particular focus on fine grain visual classification in agriculture.

- Contribute to the research projects on a collaborative basis and work with team members in the development and preparation of projects.
- Contribute to teaching activities as required.
- Assist in the mentoring and supervision of research higher degree students.
- Maintain compliance with relevant legislation and University policies and procedures, including equity and health & safety and exhibit good practice in relation to same.
- Be a leading example of the principles and values embodied in the University's Code of Conduct, and behave, act and communicate at all times to reflect fairness, ethics and professionalism.

Desirable:

- Ability to conduct collaborative research in multi-disciplinary and multi-institutional teams.
- Experience in the supervision of higher degree research students.
- Experience in writing and applying for research grants.

4.0 Key Capabilities

- Griffith University identifies the attributes of resilience, flexibility, creativity, digital literacy and entrepreneurship as critical to our graduates' success, in the rapidly changing future world of work. We have established a Griffith University Capability Development Framework to provide a common language of some of the non-technical organisation skills that will support our staff to thrive now and into the future. The Capability Development Framework will assist you to understand the current skill level of this position in the non-technical but critical skill domains that are increasingly important in a changing workplace context.

  To read about some of the non-technical organisation skills for this position, please see the Leads Self section of our Capability Development Framework.