# Position Details

## Research Projects- CSOF4

|  |  |
| --- | --- |
| The following information is for applicants | |
| Advertised Job Title | Robotics Technician |
| Job Reference | 86681 |
| Tenure | Indefinite Full-time |
| Salary Range | AU $89,680 to AU $101,459 per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Pullenvale |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Robotic Operations Team Lead |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Paul via email at paul.flick@csiro.au or phone +61 7 3327 4032 |
| How to apply | Apply online at <https://jobs.csiro.au/>  Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

### Role Overview

We are looking for someone special, with skills and expertise to take on the challenge for building the next generation of specialised robot systems.

CSIRO’s Data61 is the digital technologies and data science arm of Australia’s national science agency. With around 400 staff and another 300 affiliate staff, Data61 represents one of the largest collections of R&D expertise in artificial intelligence, data science, cybersecurity, robotics, and software engineering in the world. With a focus on impact-driven science and technology, Data61 works across disciplines and industry sectors to solve some of the world’s greatest challenges through digital R&D.

This Robotics Technician role is focused on supporting our growing fleet of wheeled, tracked and legged robots and upcoming projects as well general maintenance of other plant and equipment. The Robotics Technician will work with researchers and engineers in our Robotics and Autonomous Systems group to support innovative solutions for robotic applications.

The successful candidate will be a multiskilled technician with the capability to diagnose, repair and build robot systems which are designed by our engineers and researchers. This individual might be an experienced Electronics Technician with strong mechanical skills or an experienced Fitter or Auto Electrician with strong electronics skills, or experience in a related field.

This role is for a Robotics Technician responsible for:

* the electronic and mechanical assembly of robots and associated systems
* Soldering, working on PCB’s and wiring
* Light metal fabrication
* supporting researchers and engineers by safely operating robots to facilitate research and technology demonstrations
* performing ongoing essential maintenance of robots and associated research infrastructure
* procurement and ordering of necessary materials including electrical and mechanical components
* maintaining relevant HSE documentation such as safe work instructions
* Maintaining the industrial work areas and robot test areas ensuring they are safe and tidy

## **Selection Criteria**

**Essential skills and experience include:**

* A Certificate III in Engineering - Electrical/Electronic Trade, Advanced Diploma of Electronics and Communications Engineering trade or equivalent experience in a related field
* Hold a current Restricted Electrical license
* Demonstrated experience in electronic and mechanical system assembly
* Knowledge and demonstrated skills in electrical wiring and soldering including surface mount components
* Demonstrated experience in the use of generic test equipment including scopes, DMM’s, power supplies

Familiarity with workplace health and safety guidelines and safe work practices

**Desirable experience includes:**

* Understanding of electrical and electronic circuits and printed circuit board design software packages such as Eagle and Altium
* Understanding of Mechanical design using software packages such as AutoCAD and Solidworks
* Hold a forklift and/or Scissor Lift license or be prepared to obtain a license

## **Required Competencies**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others’ reactions.
* **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

Special Requirements

* The successful candidate will be asked to obtain and provide evidence of a National Police Clearance or equivalent. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [data61.csiro.au](https://data61.csiro.au/) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted